

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003467.D
 Acq On : 19 Jul 2018 15:14
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:10 PM

Quant Time: Jul 19 15:39:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	436186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	568127	114.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.22%	
35) Dibromofluoromethane	5.51	113	535451	148.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.02%	
50) Toluene-d8	8.72	98	1934056	140.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.60%	
62) 4-Bromofluorobenzene	11.14	95	736584	141.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	385999	111.46	ug/l	100
3) Chloromethane	1.32	50	471775	114.52	ug/l	98
4) Vinyl Chloride	1.40	62	559044	130.78	ug/l	100
5) Bromomethane	1.63	94	238696	92.54	ug/l	100
6) Chloroethane	1.70	64	284790	101.08	ug/l	99
7) Trichlorofluoromethane	1.92	101	762987	109.86	ug/l	99
8) Diethyl Ether	2.19	74	331744	125.58	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	489060	125.97	ug/l	97
10) Methyl Iodide	2.50	142	698403	146.09	ug/l	92
11) Tert butyl alcohol	3.10	59	560737	547.17	ug/l	99
12) 1,1-Dichloroethene	2.37	96	474585	130.20	ug/l	82
13) Acrolein	2.29	56	261449	503.11	ug/l	99
14) Allyl chloride	2.72	41	837901	115.78	ug/l #	85
15) Acrylonitrile	3.15	53	1388266	620.80	ug/l	97
16) Acetone	2.45	43	1041618	476.26	ug/l #	87
17) Carbon Disulfide	2.56	76	1352678	156.47	ug/l	98
18) Methyl Acetate	2.78	43	644134	110.55	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	1557318	113.89	ug/l	100
20) Methylene Chloride	2.86	84	529204	118.01	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	509926	128.95	ug/l	91
22) Diisopropyl ether	3.88	45	1564605	119.49	ug/l	92
23) Vinyl Acetate	3.83	43	6522291	595.15	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	903097	127.08	ug/l	99
25) 2-Butanone	4.71	43	1761252	613.21	ug/l #	90
26) 2,2-Dichloropropane	4.58	77	707140	138.48	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	582973	144.89	ug/l	92
28) Bromochloromethane	5.02	49	375316	112.77	ug/l	85
29) Tetrahydrofuran	5.17	42	1148577	610.17	ug/l	89
30) Chloroform	5.22	83	906006	132.20	ug/l	97
31) Cyclohexane	5.57	56	844209	144.28	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	831295	145.03	ug/l	95
36) 1,1-Dichloropropene	5.80	75	707631	146.99	ug/l	98
37) Ethyl Acetate	4.87	43	682090	125.18	ug/l #	94
38) Carbon Tetrachloride	5.78	117	725152	151.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	879852	156.34	ug/l	93
40) Benzene	6.15	78	2162502	149.81	ug/l	100
41) Methacrylonitrile	5.07	41	397353	129.15	ug/l	91
42) 1,2-Dichloroethane	6.20	62	663909	118.79	ug/l	94
43) Isopropyl Acetate	6.47	43	1133741	125.58	ug/l #	92
44) Trichloroethene	7.21	130	641223	153.90	ug/l	100
45) 1,2-Dichloropropane	7.52	63	553356	145.65	ug/l	99
46) Dibromomethane	7.67	93	361244	142.15	ug/l	94
47) Bromodichloromethane	7.90	83	697473	155.61	ug/l	98
48) Methyl methacrylate	7.78	41	586241	127.07	ug/l #	82
49) 1,4-Dioxane	7.76	88	254103	2908.45	ug/l #	92
51) 4-Methyl-2-Pentanone	8.66	43	3563471	614.75	ug/l	89
52) Toluene	8.79	92	1381101	149.99	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	887711	168.32	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	822308	168.32	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	551792	148.30	ug/l	97
56) Ethyl methacrylate	9.18	69	867889	151.57	ug/l #	80
57) 1,3-Dichloropropane	9.37	76	902140	143.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1976220	713.57	ug/l	96
59) 2-Hexanone	9.50	43	2677902	613.08	ug/l	86
60) Dibromochloromethane	9.59	129	619759	172.56	ug/l	100
61) 1,2-Dibromoethane	9.68	107	593327	153.97	ug/l	100
64) Tetrachloroethene	9.34	164	715059	147.68	ug/l	98
65) Chlorobenzene	10.14	112	1612127	150.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	595134	162.96	ug/l	99
67) Ethyl Benzene	10.26	91	2690397	148.90	ug/l	98
68) m/p-Xylenes	10.36	106	2141099	307.21	ug/l	93
69) o-Xylene	10.70	106	1041595	152.11	ug/l	95
70) Styrene	10.71	104	1763741	156.62	ug/l	96
71) Bromoform	10.86	173	519375	189.24	ug/l	99
73) Isopropylbenzene	11.02	105	2725517	149.73	ug/l	99
74) N-amyl acetate	6.47	43	1133741	125.36	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	791961	147.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	690115m	134.37	ug/l	
77) Bromobenzene	11.26	156	776237	153.07	ug/l	95
78) n-propylbenzene	11.37	91	3082041	147.64	ug/l	97
79) 2-Chlorotoluene	11.43	91	1814679	145.59	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	2326622	151.24	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	270012	198.90	ug/l #	82
82) 4-Chlorotoluene	11.51	91	2162345	147.03	ug/l	96
83) tert-Butylbenzene	11.77	119	2282693	154.03	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	2375729	151.35	ug/l	97
85) sec-Butylbenzene	11.95	105	2728049	148.05	ug/l	98
86) p-Isopropyltoluene	12.07	119	2504548	150.22	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	1409042	151.51	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1417037	149.75	ug/l	98
89) n-Butylbenzene	12.39	91	2160653	146.90	ug/l	97
90) Hexachloroethane	12.60	117	397928	172.92	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	1398388	149.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	170504	151.43	ug/l	82

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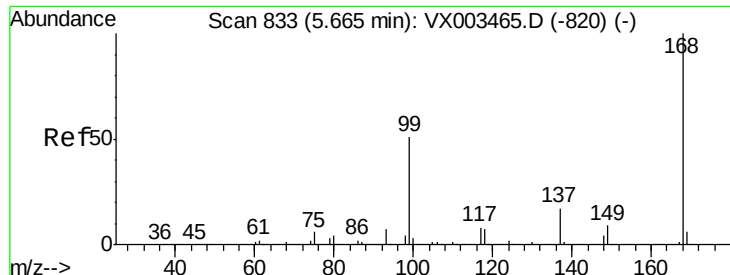
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1056118	155.46	ug/l	99
94) Hexachlorobutadiene	13.79	225	500499	139.86	ug/l	98
95) Naphthalene	13.83	128	2900402	158.66	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1044492	153.09	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:168 Resp: 326214

Ion Ratio Lower Upper

168 100

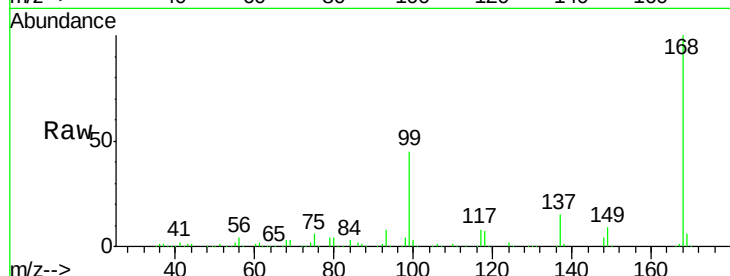
99 45.0 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

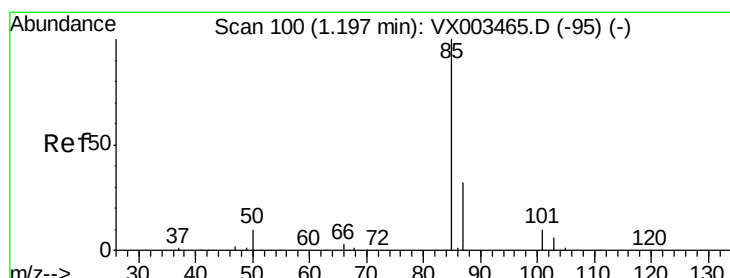
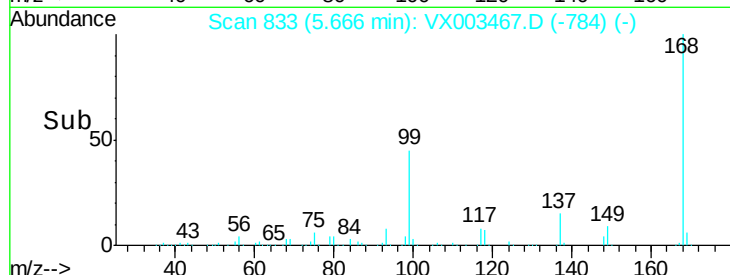
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 111.46 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003467.D

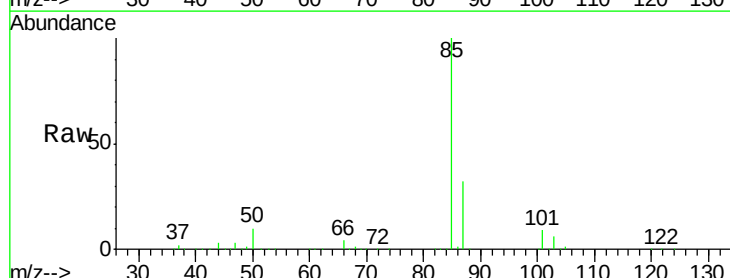
Acq: 19 Jul 2018 15:14

Tgt Ion: 85 Resp: 385999

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

200000

100000

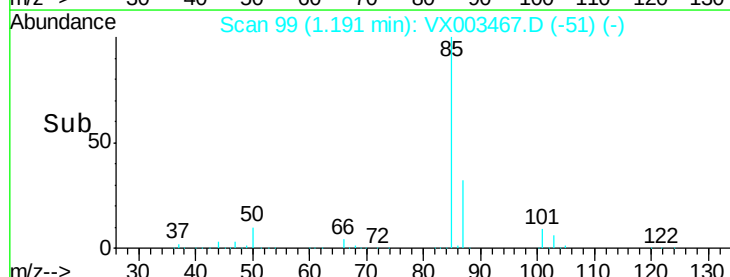
0

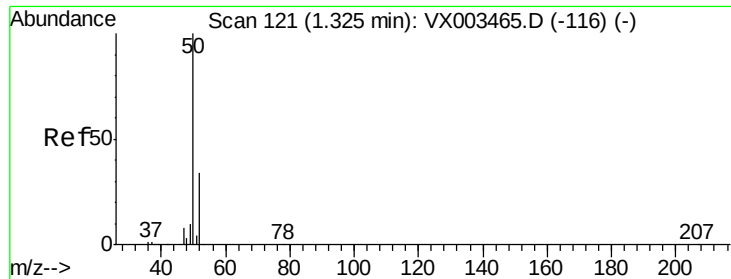
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 114.52 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 471775

Ion Ratio Lower Upper

50 100

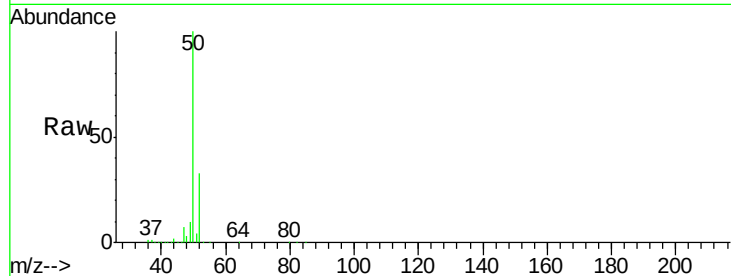
52 33.0 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

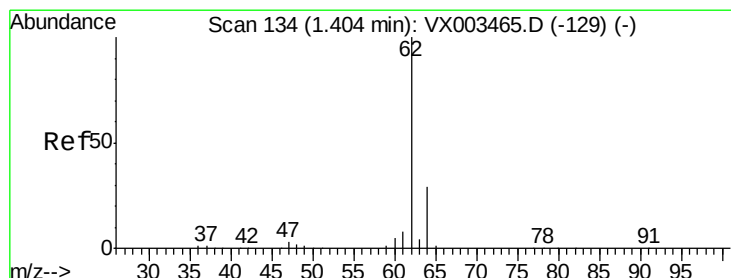
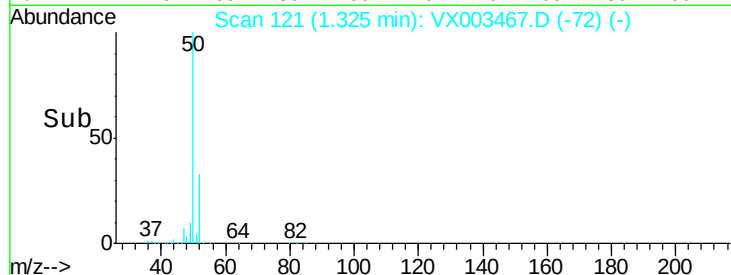
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 130.78 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003467.D

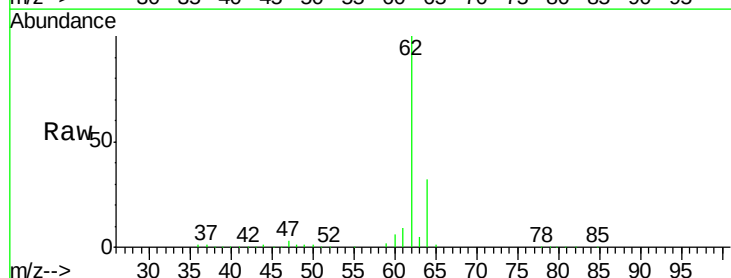
Acq: 19 Jul 2018 15:14

Tgt Ion: 62 Resp: 559044

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

500000

400000

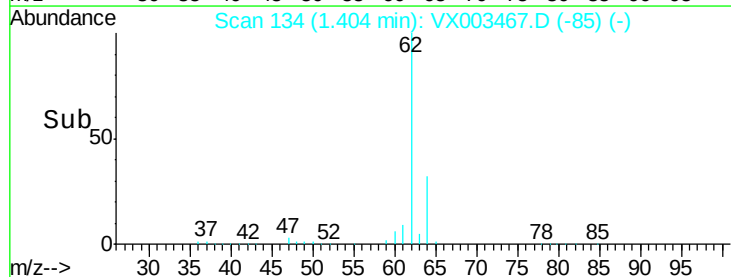
300000

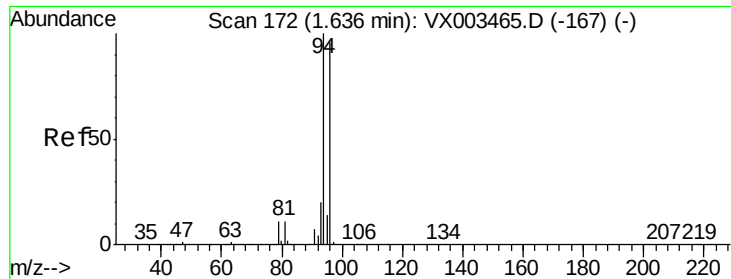
200000

100000

0

Time-->





#5

Bromomethane

Concen: 92.54 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 238696

Ion Ratio Lower Upper

94 100

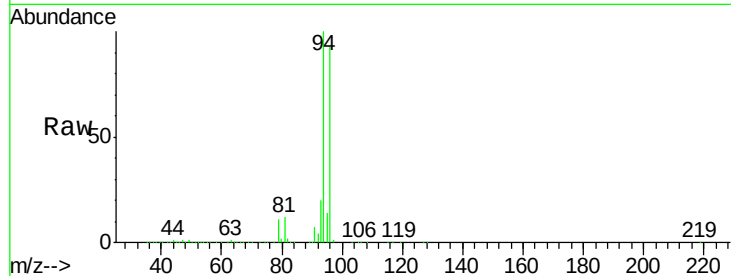
96 93.2 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250000

200000

150000

100000

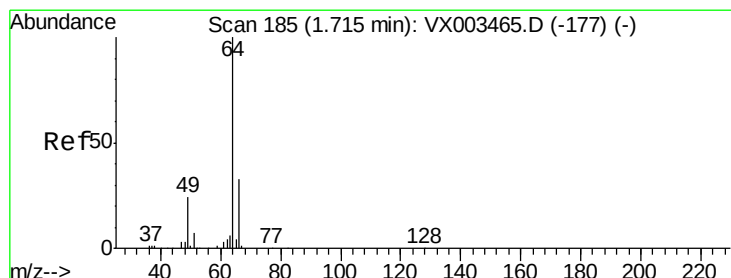
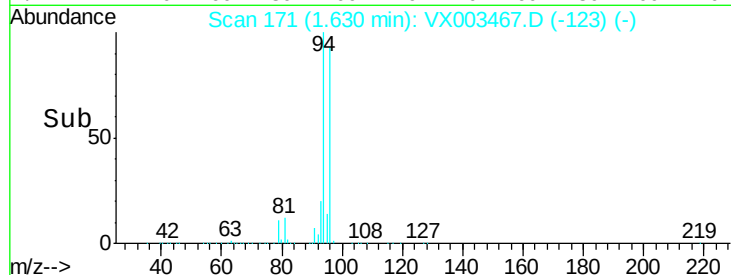
50000

0

1.60

1.70

Time-->



#6

Chloroethane

Concen: 101.08 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003467.D

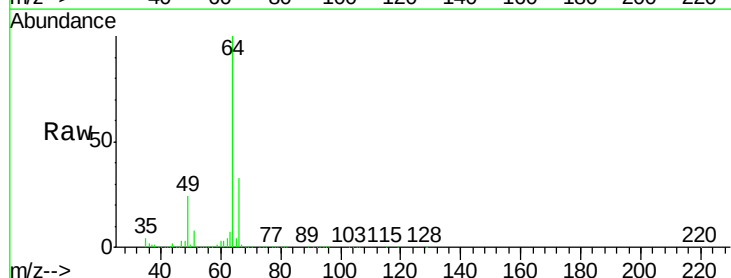
Acq: 19 Jul 2018 15:14

Tgt Ion: 64 Resp: 284790

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

250000

200000

150000

100000

50000

0

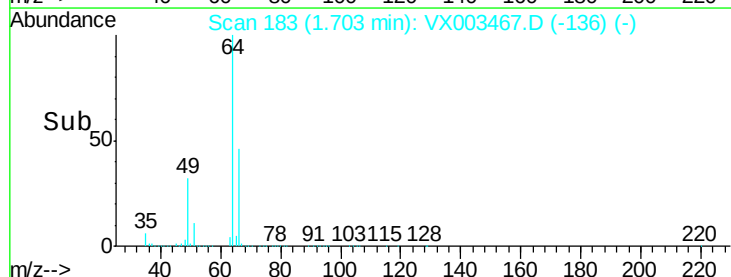
1.65

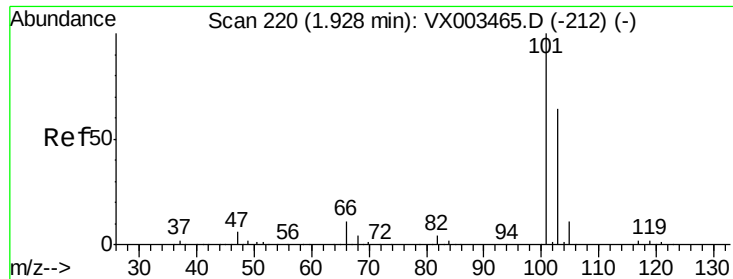
1.70

1.75

1.80

Time-->





#7

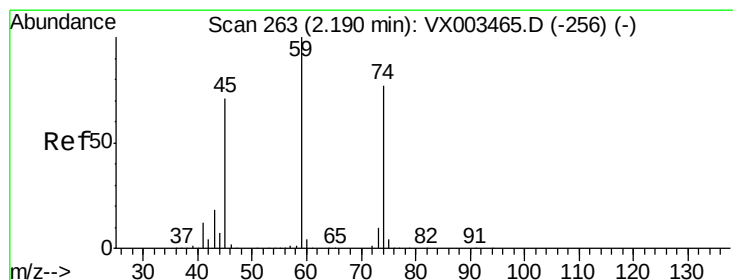
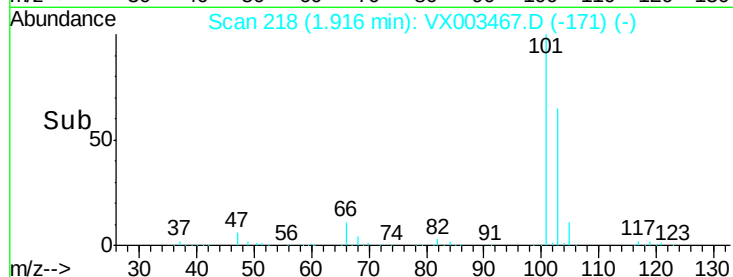
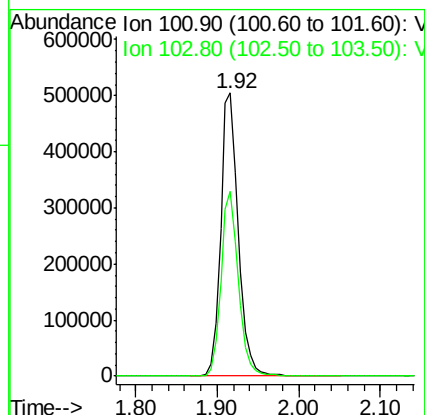
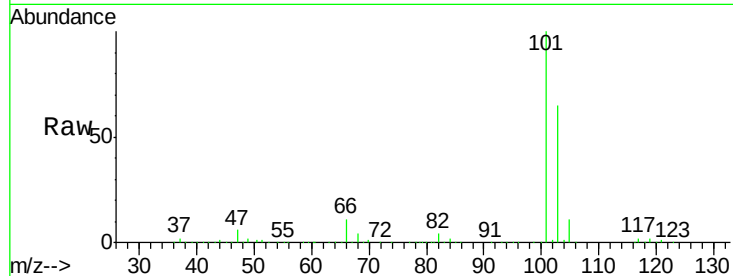
Trichlorofluoromethane
Concen: 109.86 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 762987
Ion Ratio Lower Upper
101 100
103 65.5 52.8 79.2

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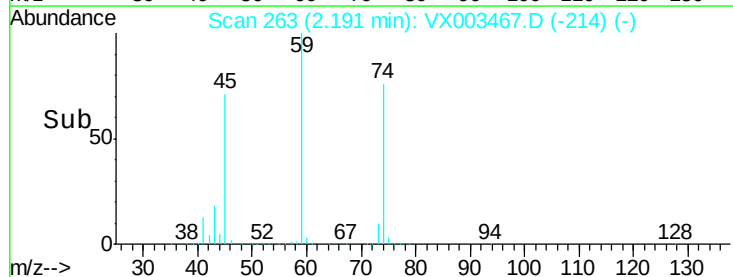
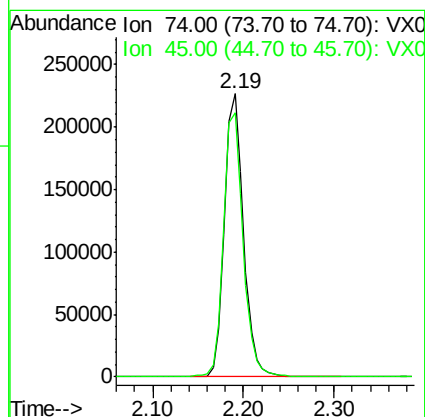
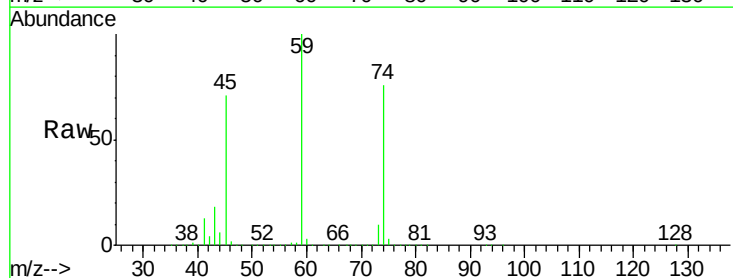
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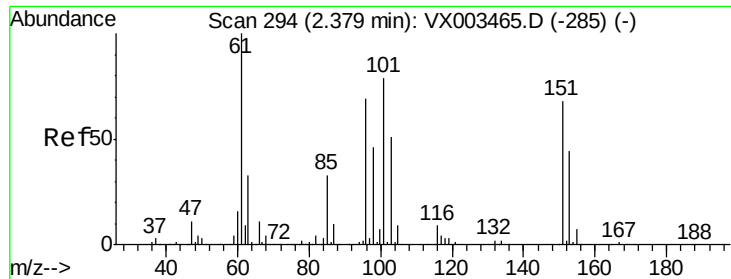


#8

Diethyl Ether
Concen: 125.58 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion: 74 Resp: 331744
Ion Ratio Lower Upper
74 100
45 96.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.97 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

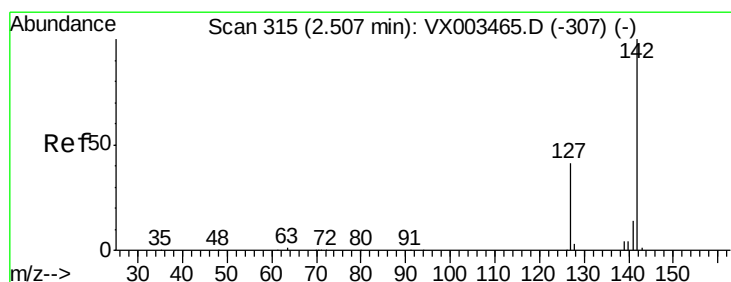
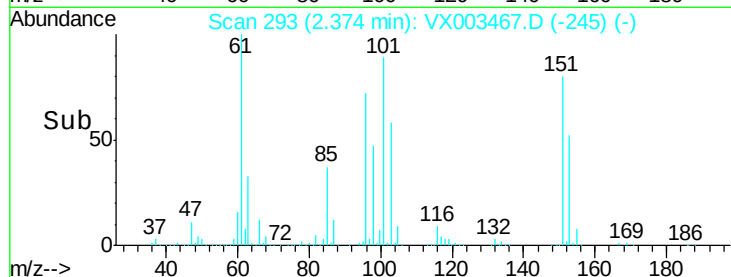
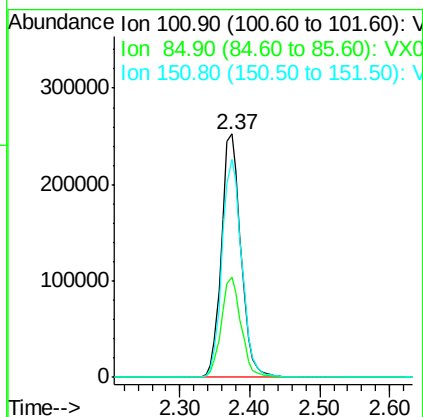
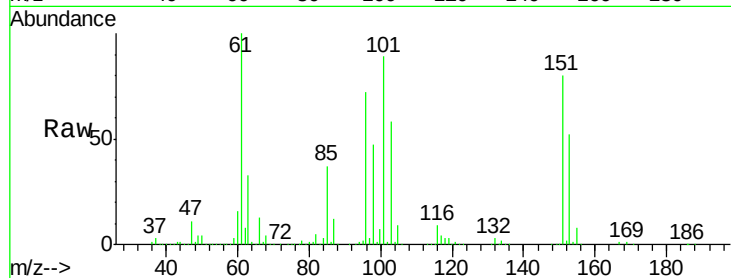
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	489060
Ion Ratio	Lower	Upper	
101	100		
85	41.5	36.0	54.0
151	90.9	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 146.09 ug/l

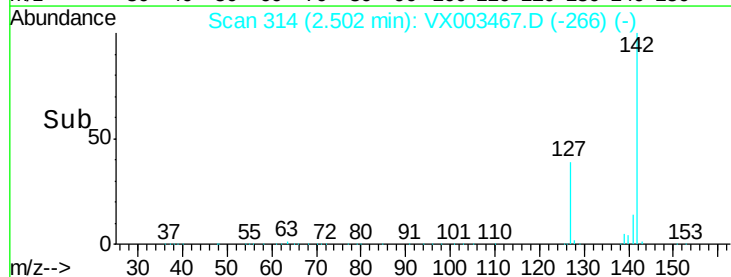
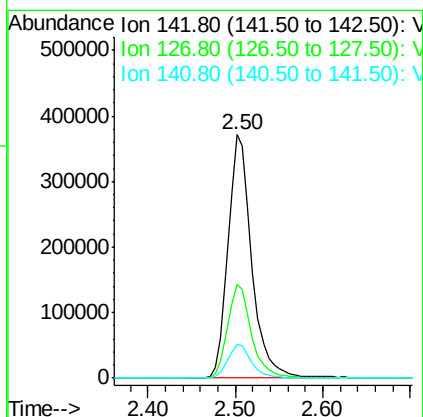
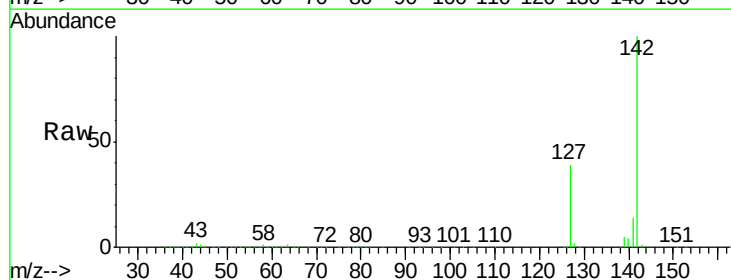
RT: 2.50 min Scan# 314

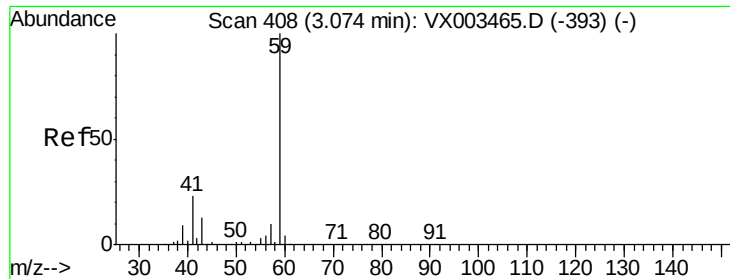
Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	142	Resp:	698403
Ion Ratio	Lower	Upper	
142	100		
127	39.1	36.6	55.0
141	14.1	11.3	16.9





#11

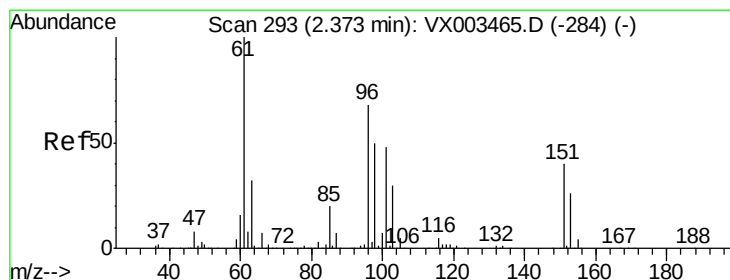
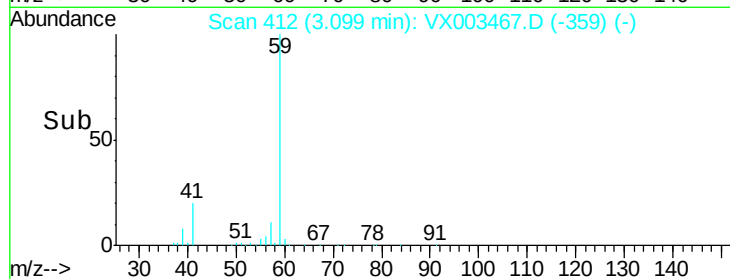
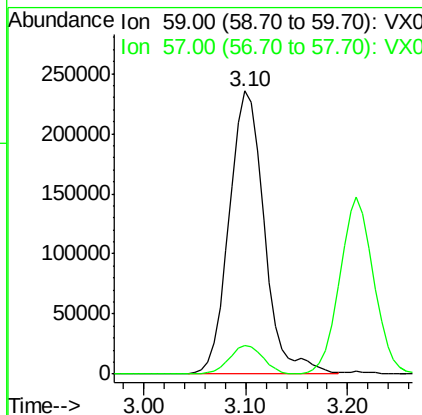
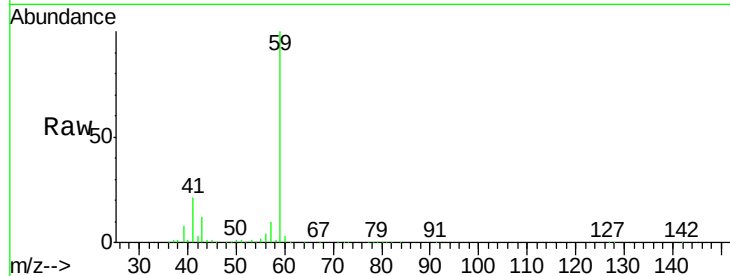
Tert butyl alcohol
 Concen: 547.17 ug/l
 RT: 3.10 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

Manual Integrations
 APPROVED

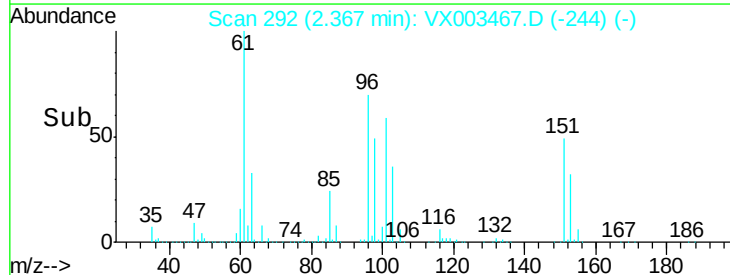
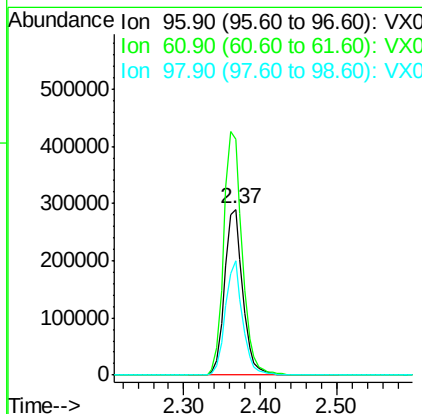
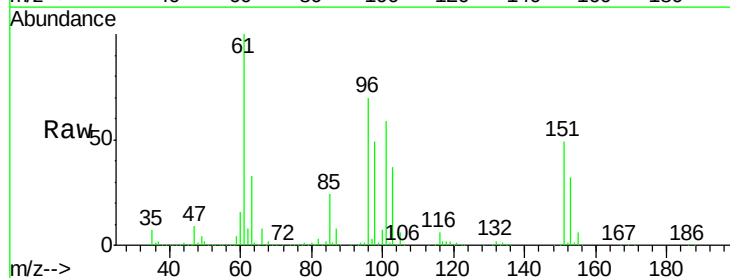
MMDadoda
 7/20/2018 5:22:10 PM

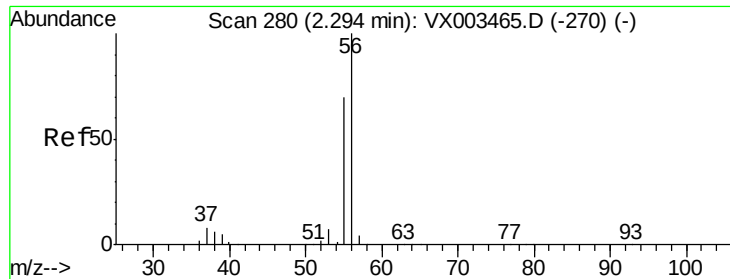


#12

1,1-Dichloroethene
 Concen: 130.20 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.1	137.9	206.9
98	69.3	51.6	77.4





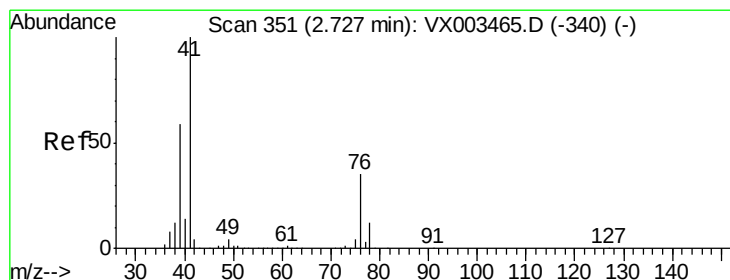
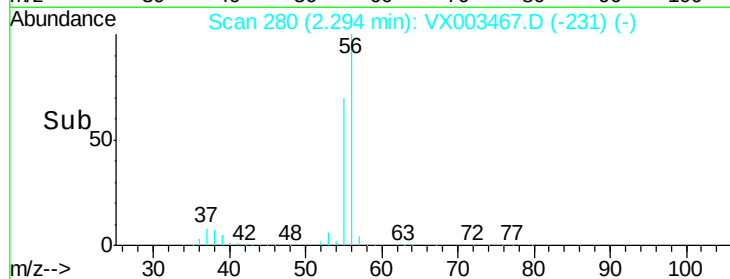
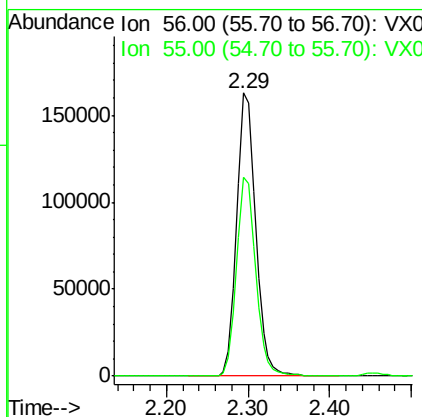
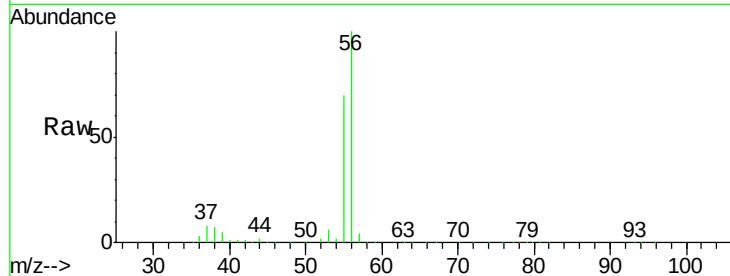
#13
Acrolein
Concen: 503.11 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.0	85.4

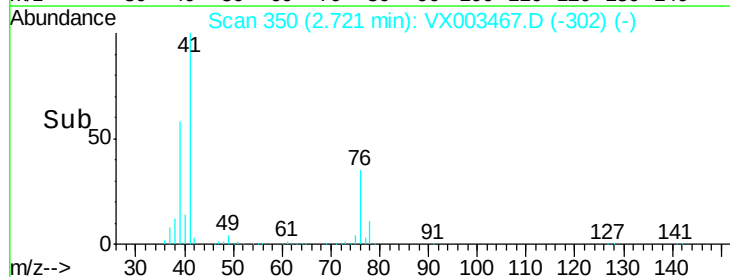
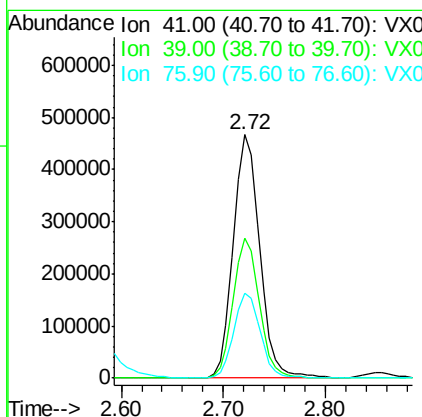
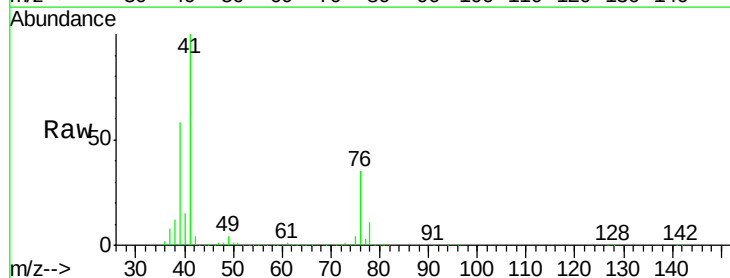
Manual Integrations
APPROVED

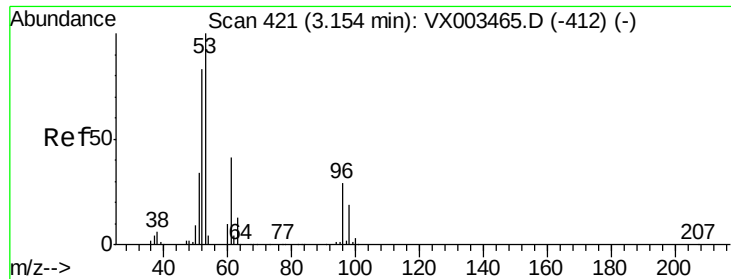
MMDadoda
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#14
Allyl chloride
Concen: 115.78 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.8	56.8	85.2#
76	34.9	23.8	35.8





#15

Acrylonitrile

Concen: 620.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1388266

Ion Ratio Lower Upper

53 100

52 81.2 66.7 100.1

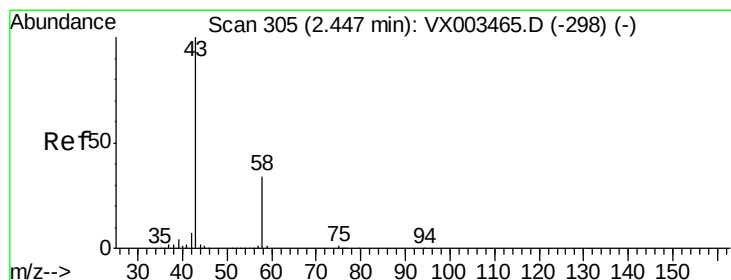
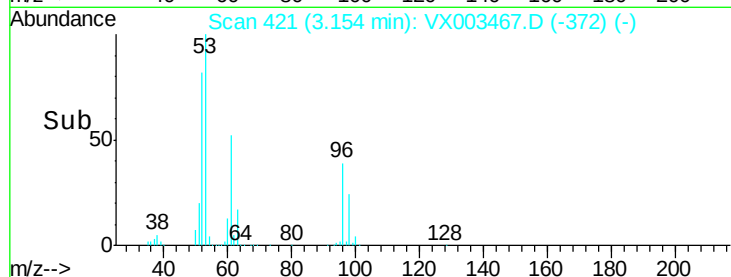
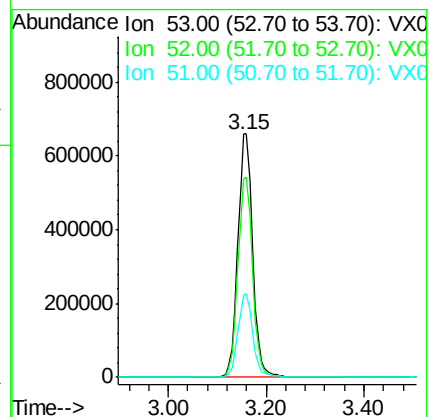
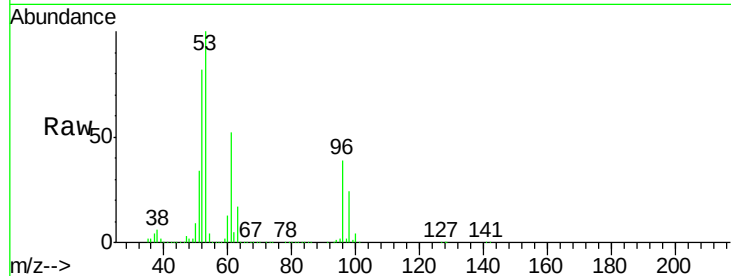
51 34.7 29.9 44.9

Manual Integrations

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#16

Acetone

Concen: 476.26 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003467.D

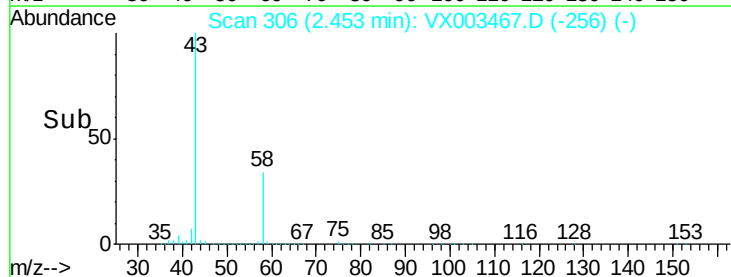
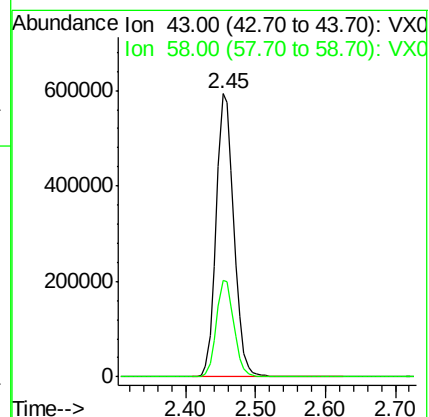
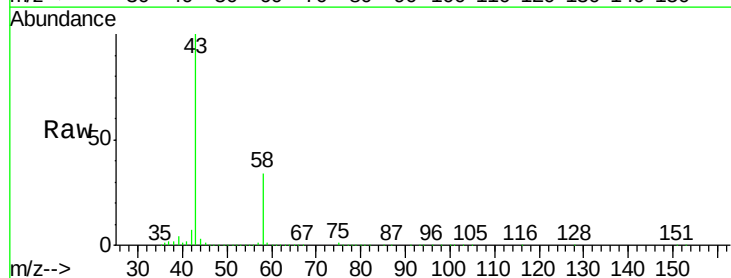
Acq: 19 Jul 2018 15:14

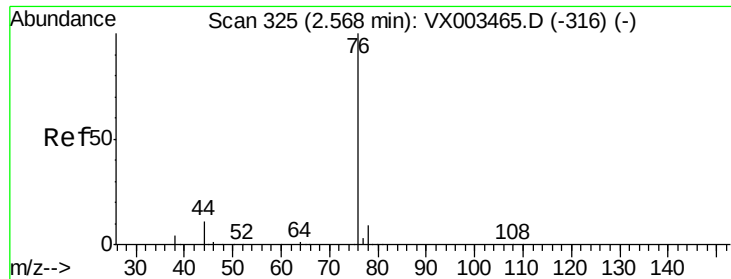
Tgt Ion: 43 Resp: 1041618

Ion Ratio Lower Upper

43 100

58 34.2 22.1 33.1#





#17

Carbon Disulfide

Concen: 156.47 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tot Ion: 76 Resp: 1352678

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3

Instrument :

MSVOA_X

ClientSampleId :

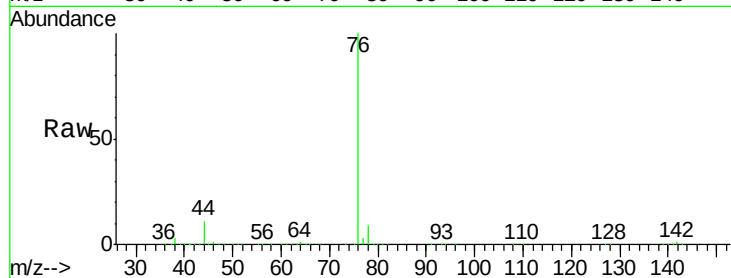
VSTDIC150

Manual Integrations

APPROVED

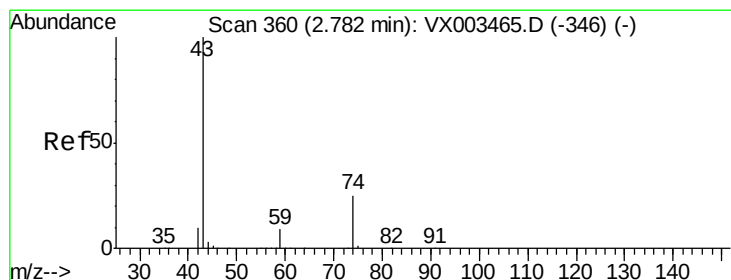
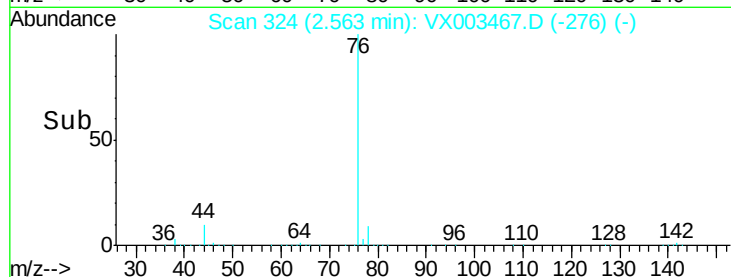
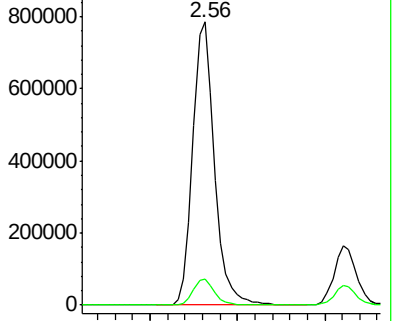
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 110.55 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003467.D

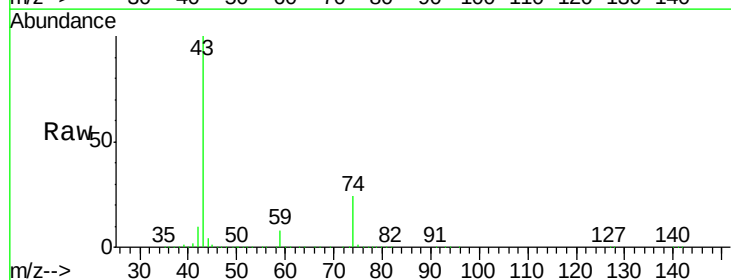
Acq: 19 Jul 2018 15:14

Tgt Ion: 43 Resp: 644134

Ion Ratio Lower Upper

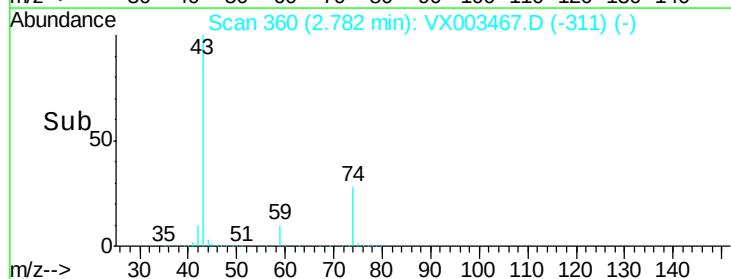
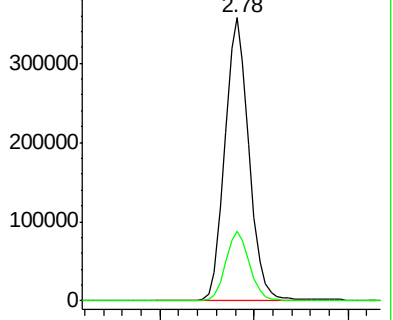
43 100

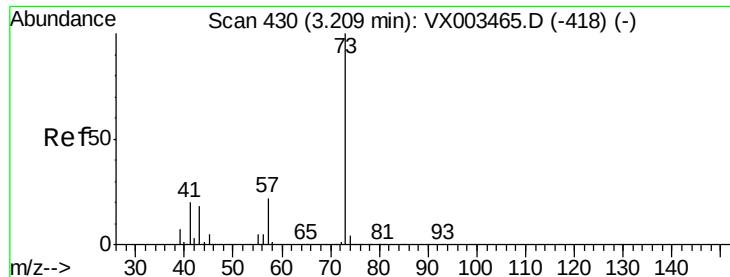
74 24.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

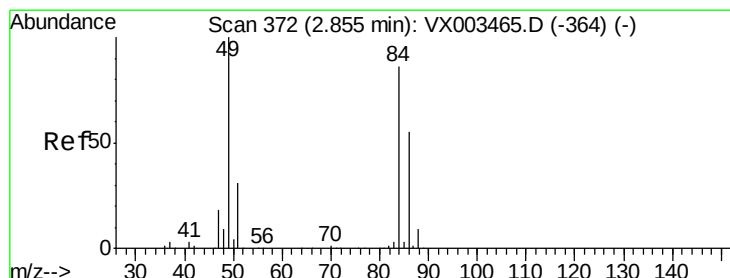
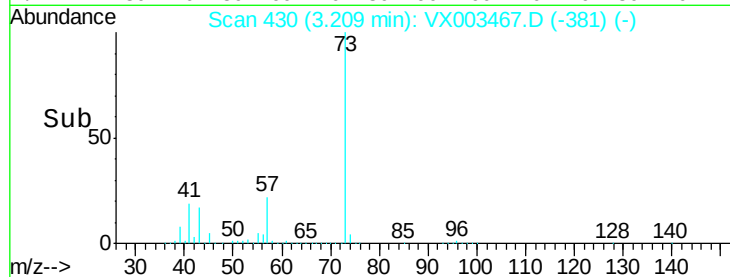
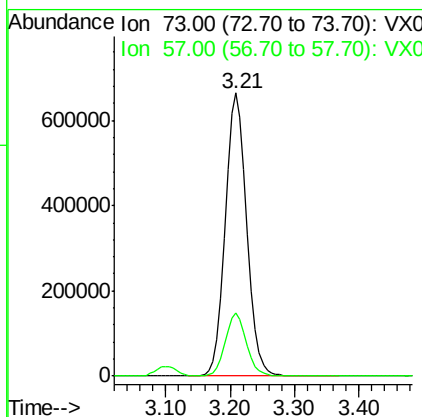
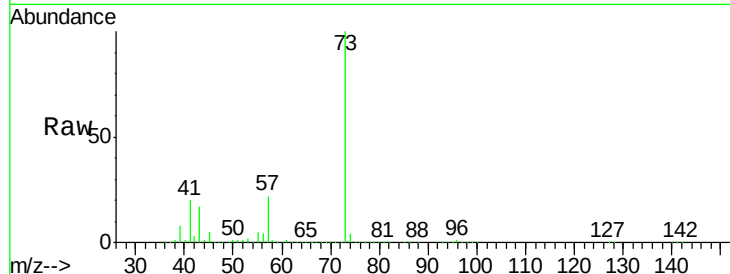
Methvl tert-butvl Ether
 Concen: 113.89 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1557318
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.7 26.5

Manual Integrations
 APPROVED

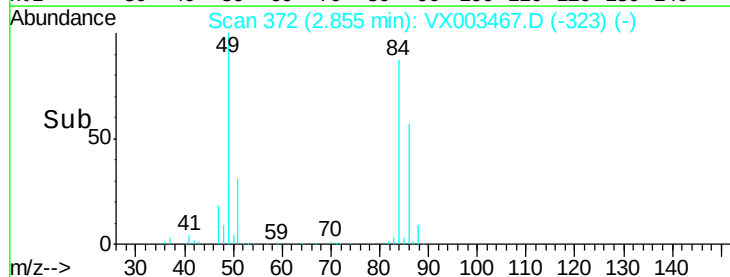
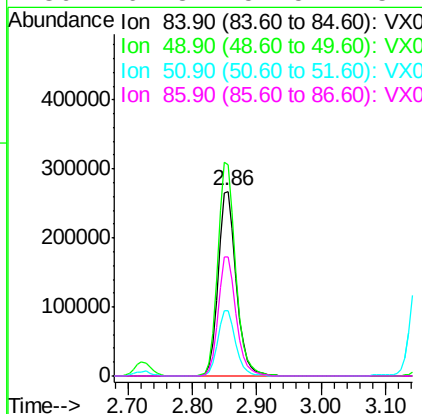
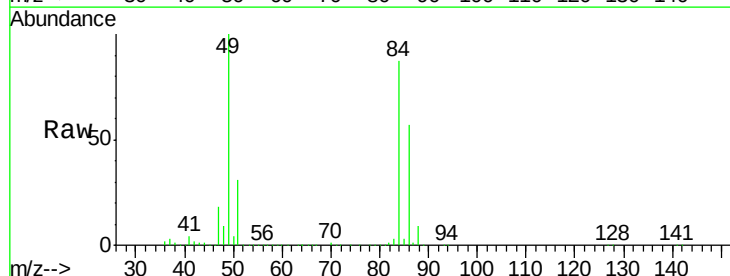
MMDadoda
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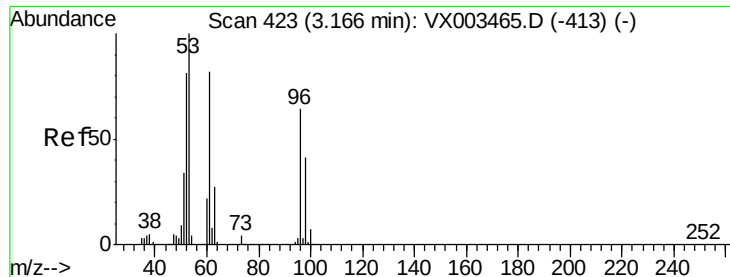


#20

Methylene Chloride
 Concen: 118.01 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion: 84 Resp: 529204
 Ion Ratio Lower Upper
 84 100
 49 114.4 107.8 161.6
 51 35.4 32.8 49.2
 86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 128.95 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

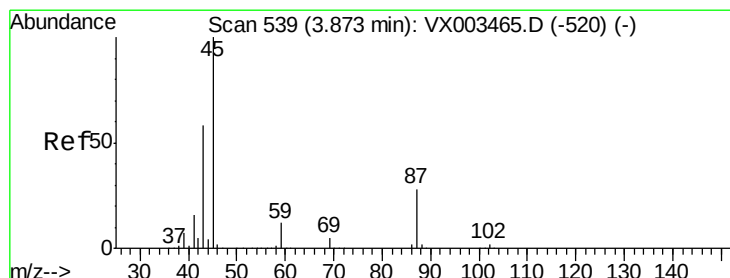
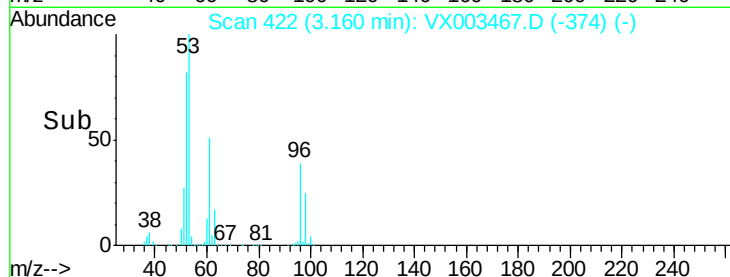
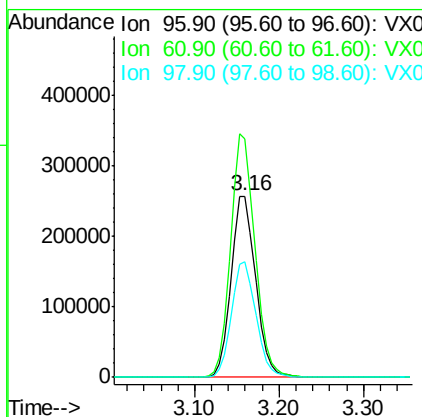
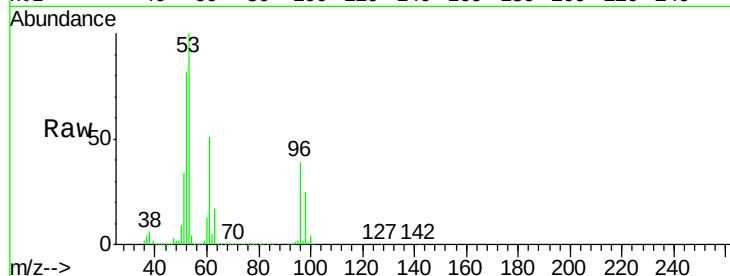
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	509926
Ion	Ratio	Lower	Upper
96	100		
61	131.2	117.0	175.4
98	63.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 119.49 ug/l

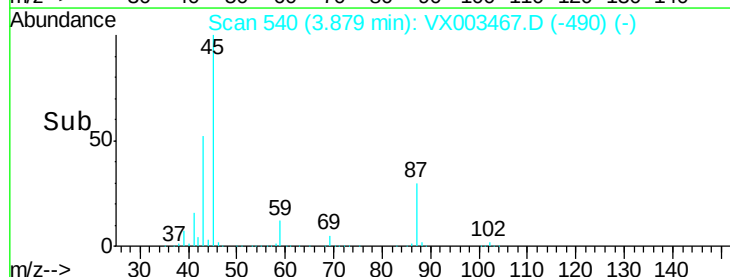
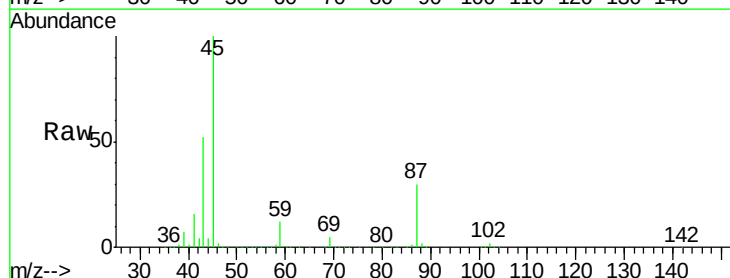
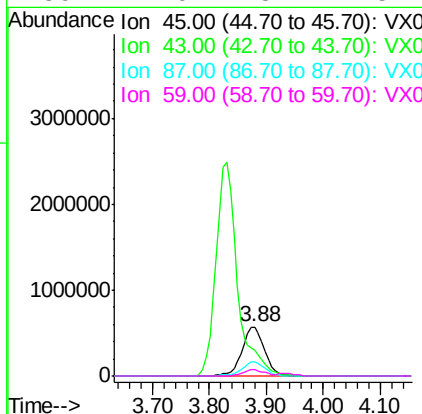
RT: 3.88 min Scan# 540

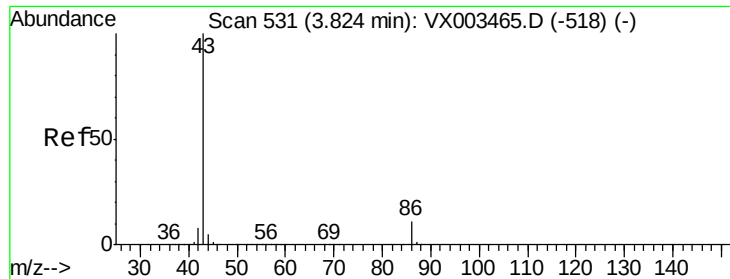
Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	45	Resp:	1564605
Ion	Ratio	Lower	Upper
45	100		
43	52.2	46.8	70.2
87	29.5	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 595.15 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6522291

Ion Ratio Lower Upper

43 100

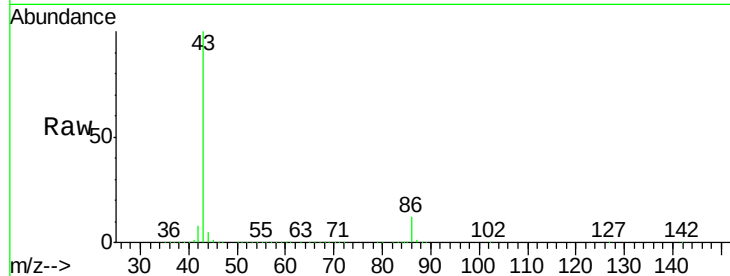
86 11.6 7.4 11.0#

Manual Integrations

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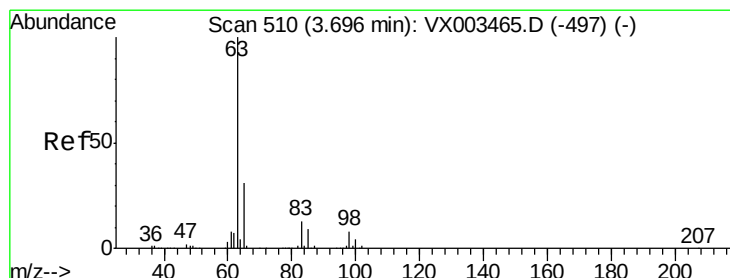
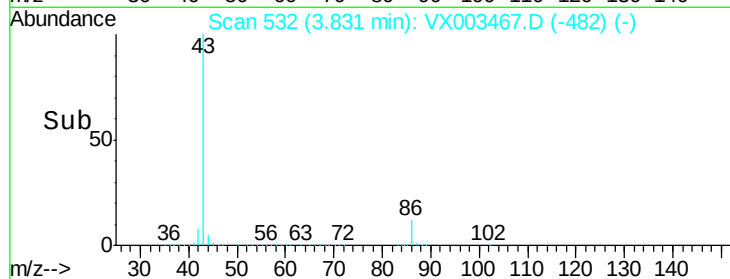
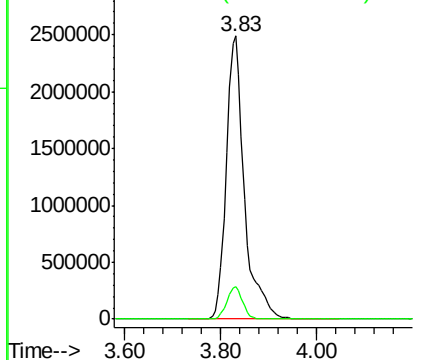
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 127.08 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

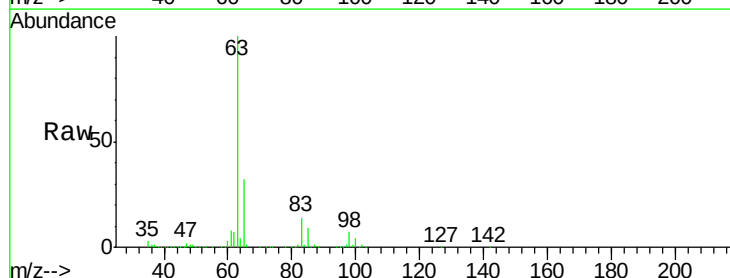
Tgt Ion: 63 Resp: 903097

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

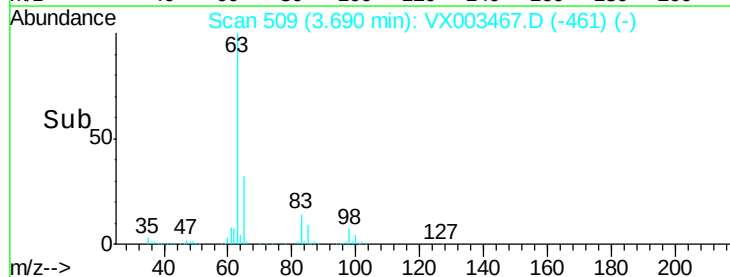
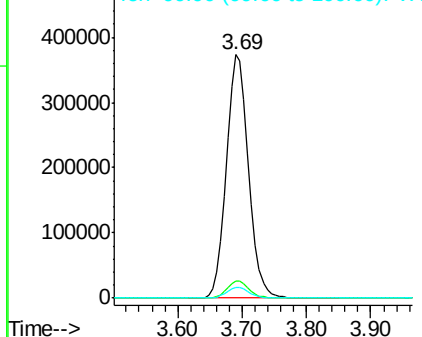
100 4.5 2.0 6.0

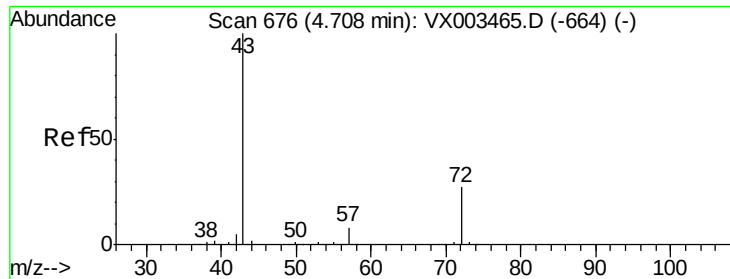


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 613.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1761252

Ion Ratio Lower Upper

43 100

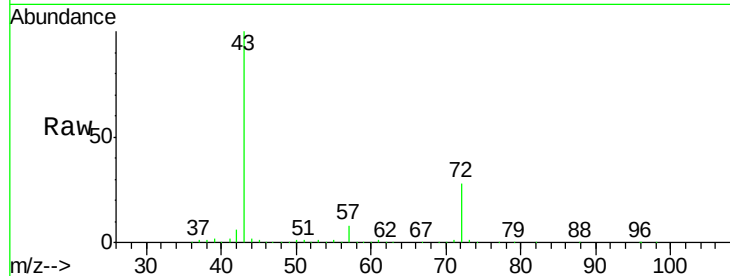
72 27.9 18.5 27.7#

Manual Integrations

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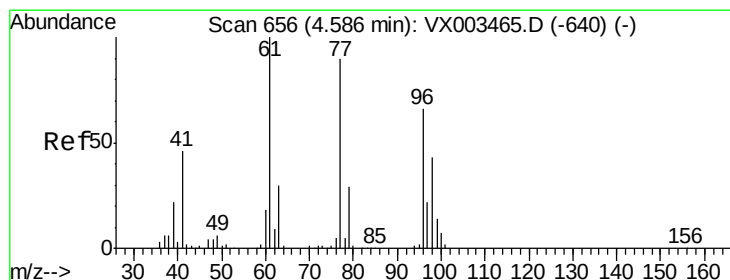
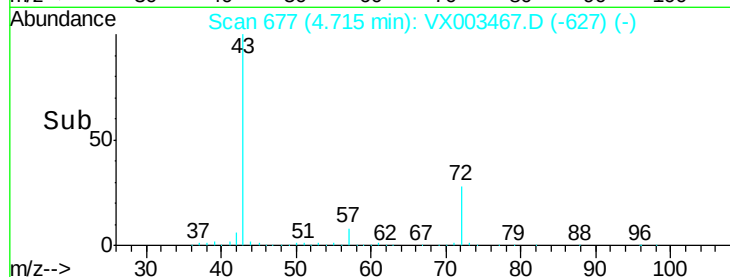
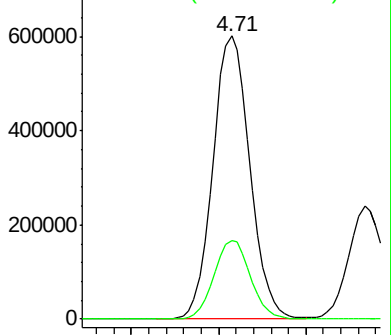
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 138.48 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003467.D

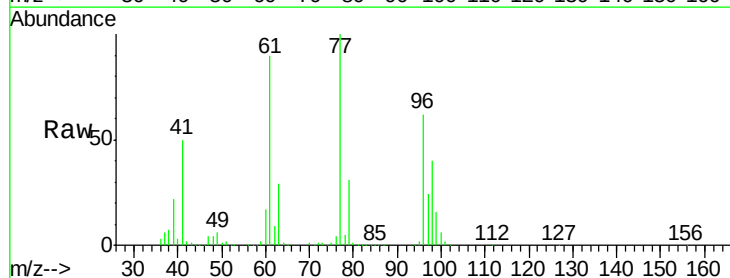
Acq: 19 Jul 2018 15:14

Tgt Ion: 77 Resp: 707140

Ion Ratio Lower Upper

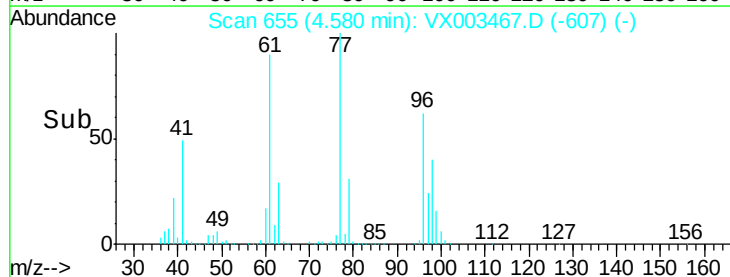
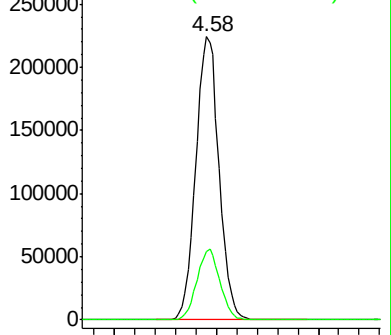
77 100

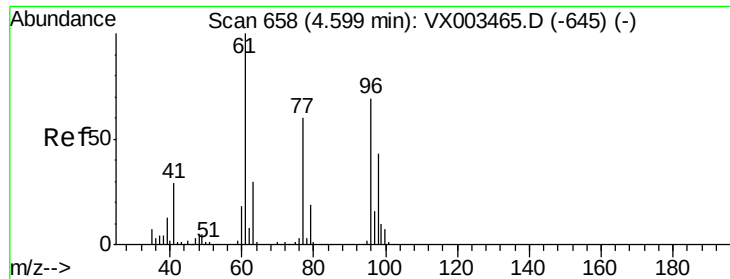
97 24.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

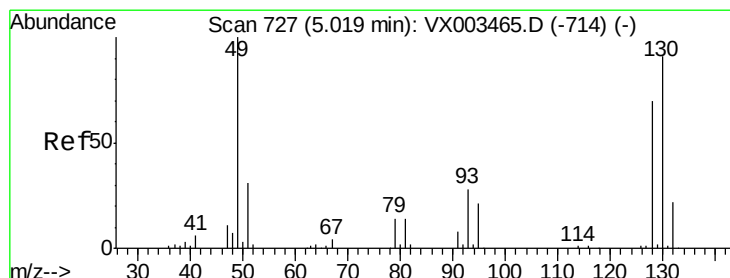
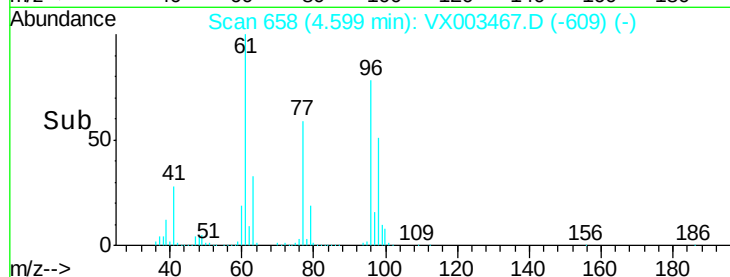
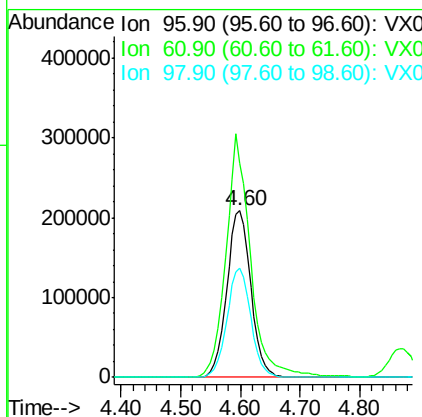
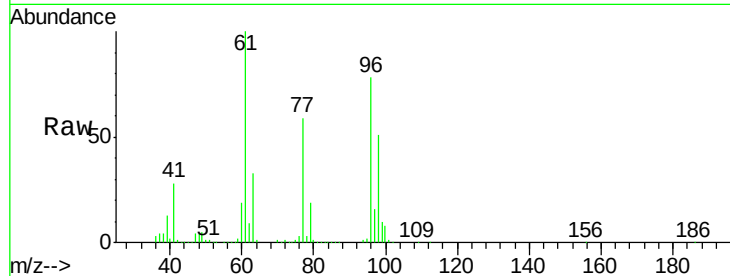
cis-1,2-Dichloroethene
Concen: 144.89 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.8	0.0	330.2	
98	65.1	0.0	130.2	

Manual Integrations
APPROVED

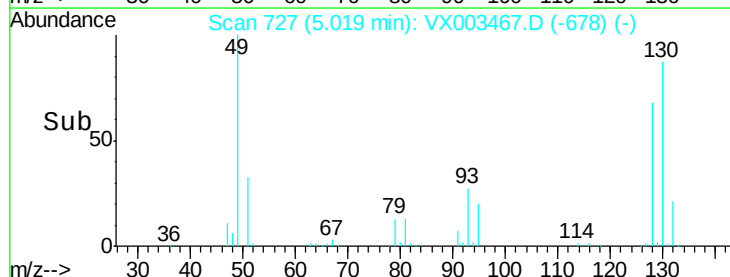
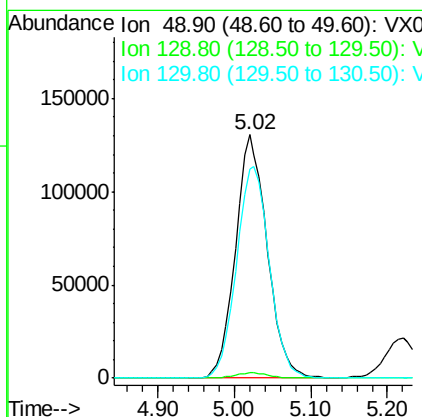
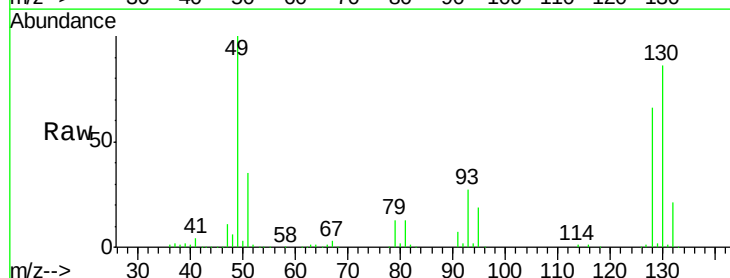
MMDadoda
7/20/2018 5:22:10 PM

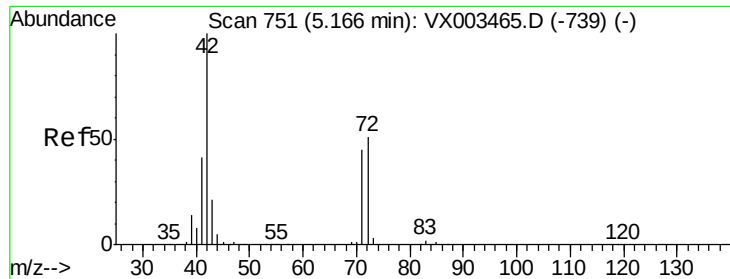


#28

Bromochloromethane
Concen: 112.77 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.2	
130	90.1	61.2	91.8	





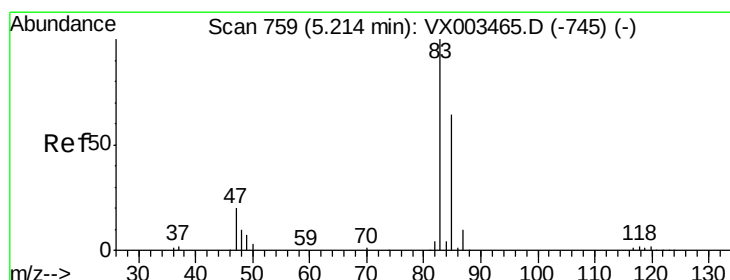
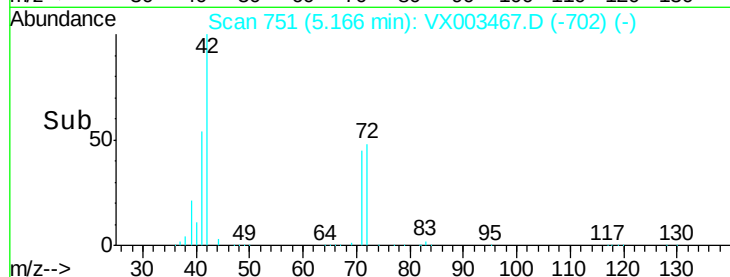
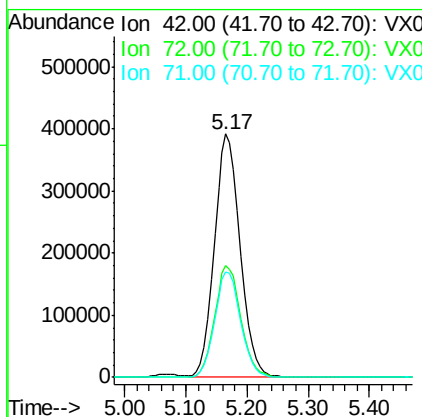
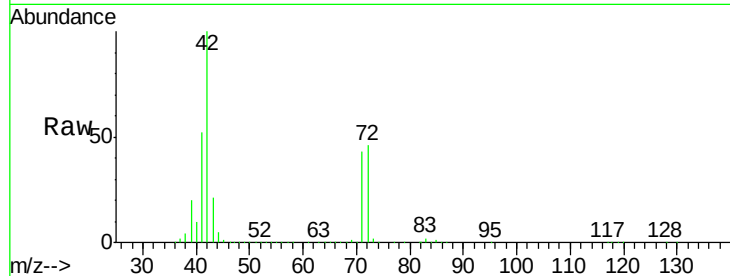
#29
Tetrahydrofuran
Concen: 610.17 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion: 42 Resp: 1148577
Ion Ratio Lower Upper
42 100
72 47.0 32.0 48.0
71 43.8 30.1 45.1

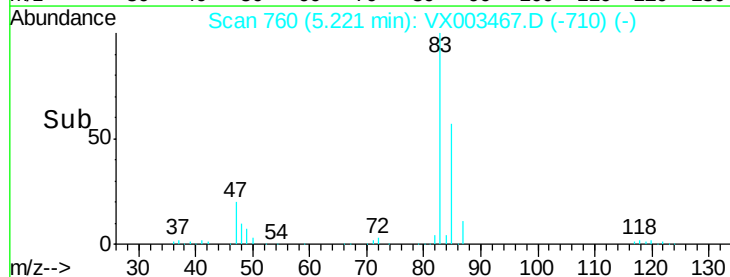
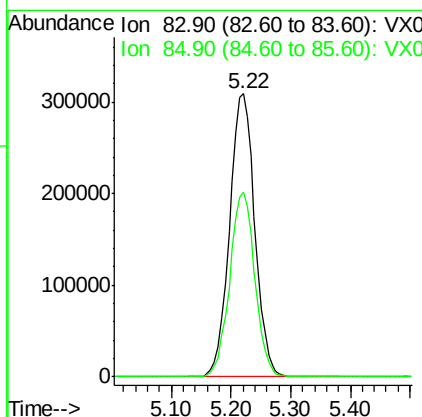
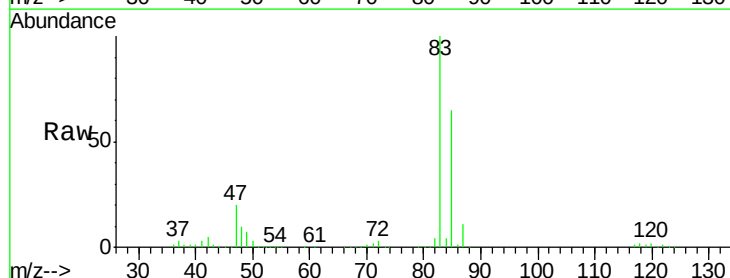
Manual Integrations
APPROVED

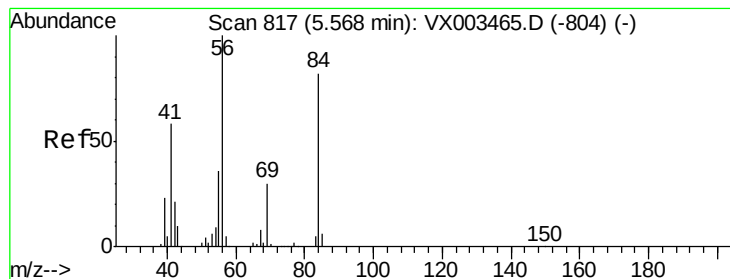
MMDadoda
7/20/2018 5:22:10 PM



#30
Chloroform
Concen: 132.20 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion: 83 Resp: 906006
Ion Ratio Lower Upper
83 100
85 65.3 50.4 75.6





#31

Cyclohexane

Concen: 144.28 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

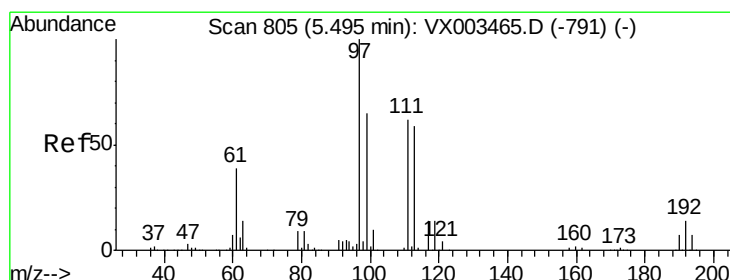
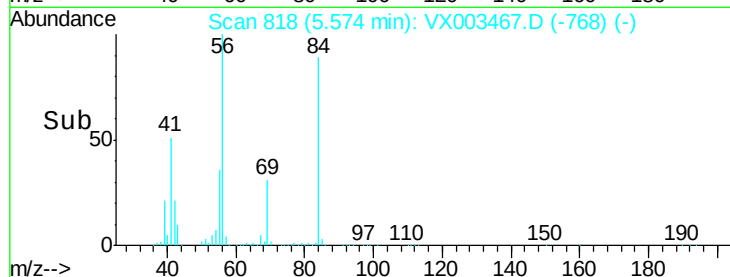
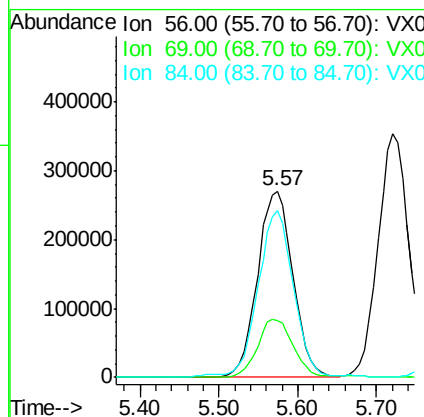
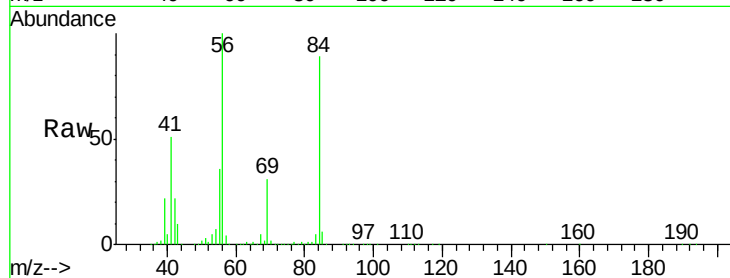
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	844209
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.7	35.5
84	89.0	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:10 PM



#32

1,1,1-Trichloroethane

Concen: 145.03 ug/l

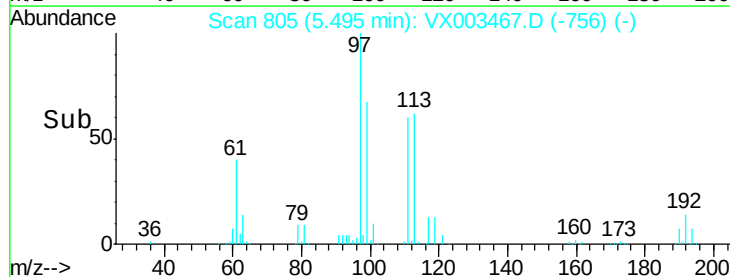
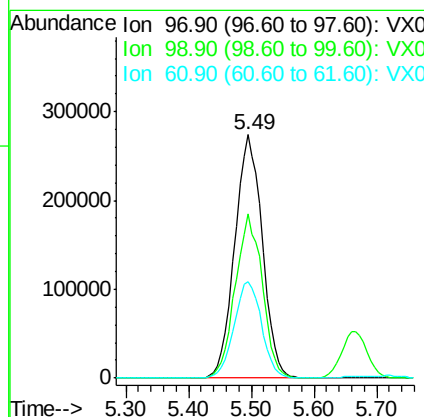
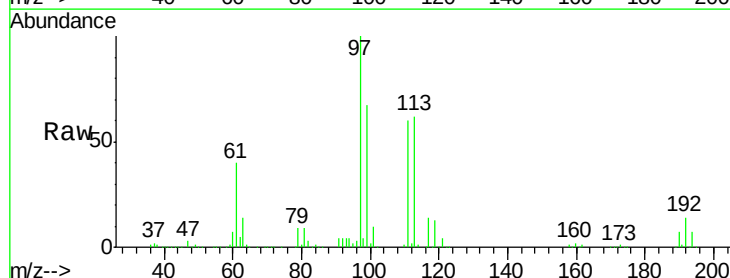
RT: 5.49 min Scan# 805

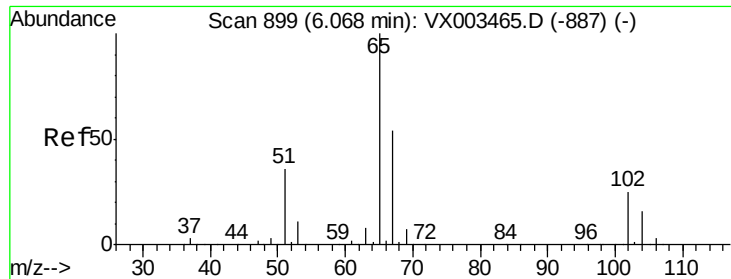
Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	97	Resp:	831295
Ion Ratio	Lower	Upper	
97	100		
99	66.0	51.6	77.4
61	39.7	36.4	54.6





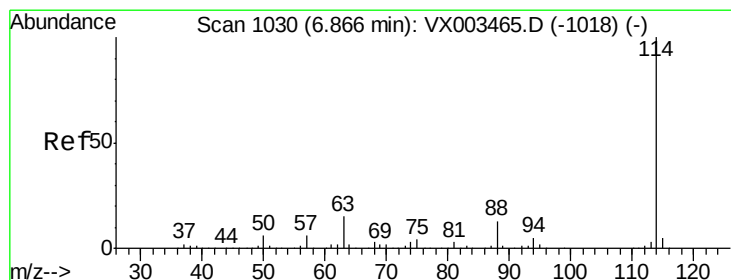
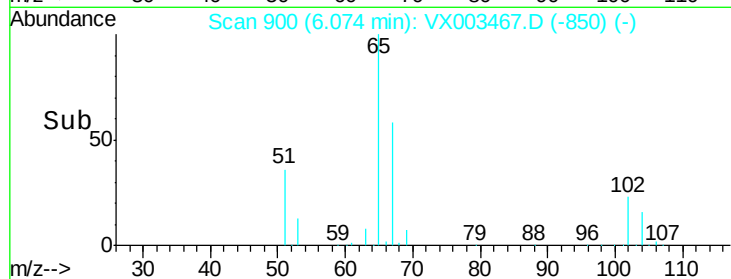
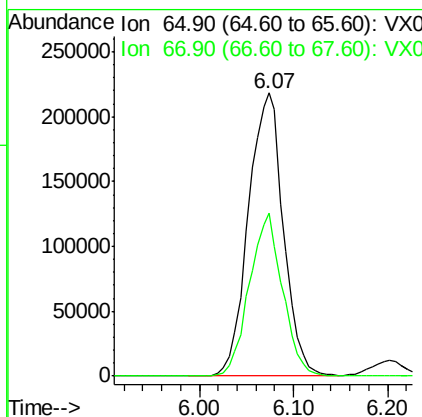
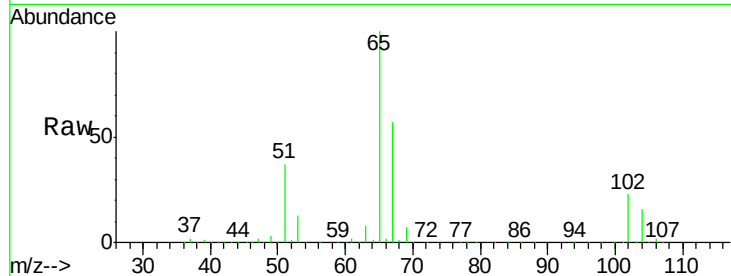
#33
 1,2-Dichloroethane-d4
 Concen: 114.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	568127		
67	54.5	0.0	102.6	

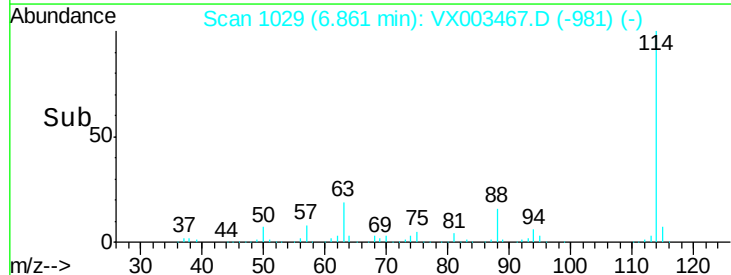
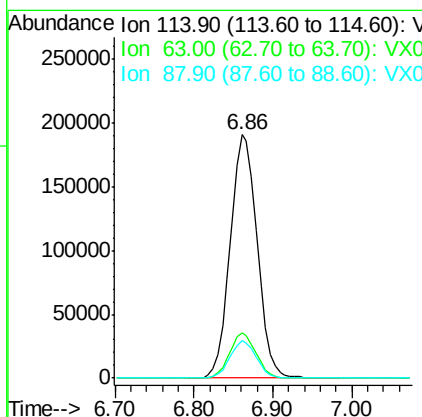
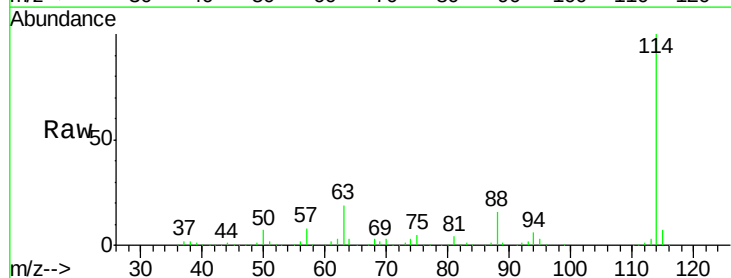
Manual Integrations
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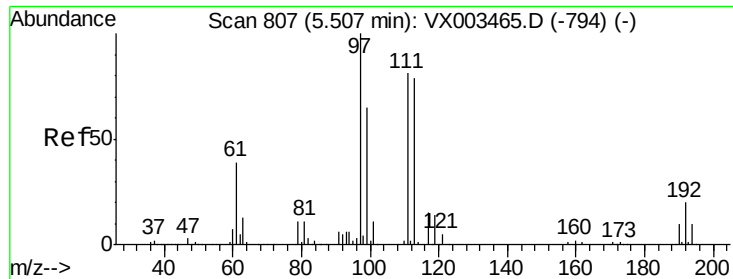
MMDadoda
 7/20/2018 5:22:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453287		
63	18.5	0.0	41.4	
88	15.6	0.0	30.0	





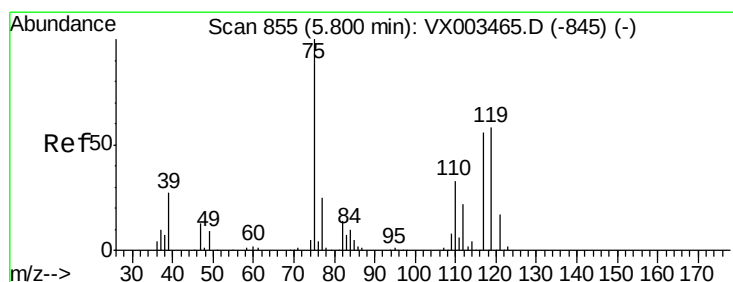
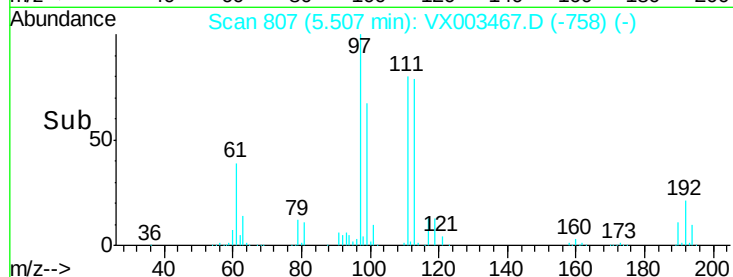
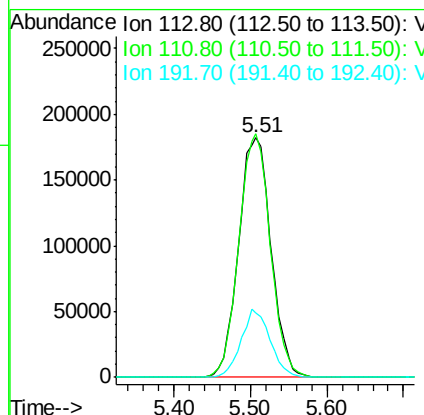
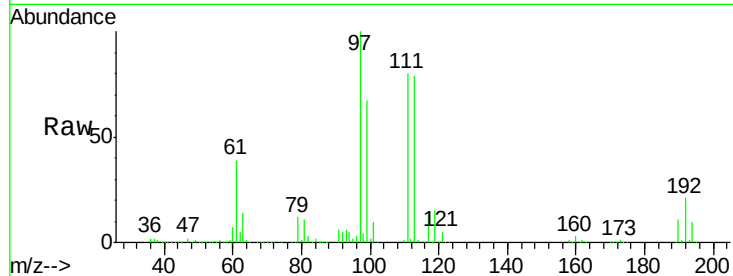
#35
 Dibromofluoromethane
 Concen: 148.01 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	535451		
111	98.9	81.4	122.0	
192	25.4	19.1	28.7	

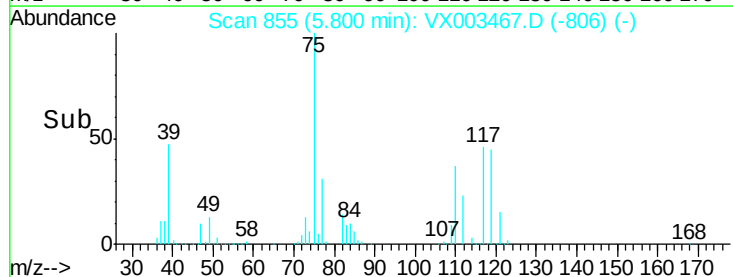
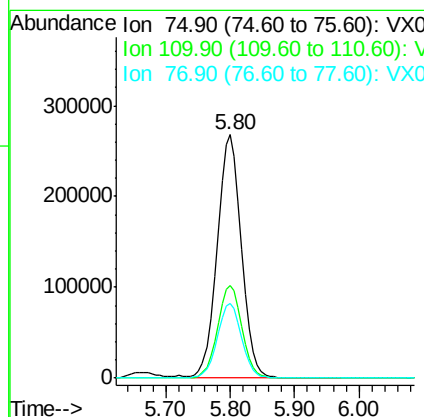
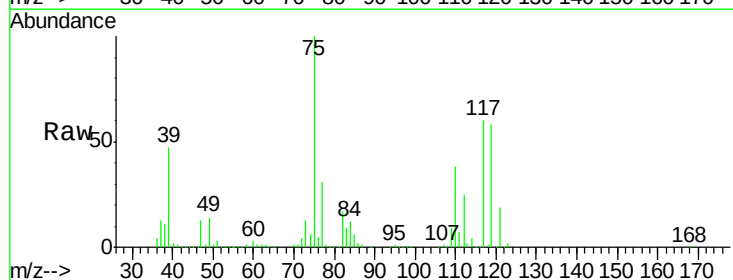
Manual Integrations
 APPROVED

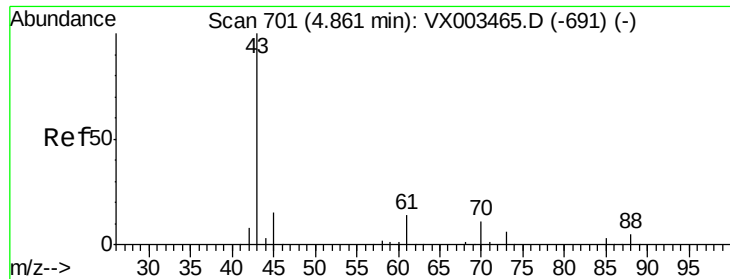
MMDadoda
 7/20/2018 5:22:10 PM



#36
 1,1-Dichloropropene
 Concen: 146.99 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	707631		
110	38.4	18.1	54.4	
77	30.9	24.3	36.5	





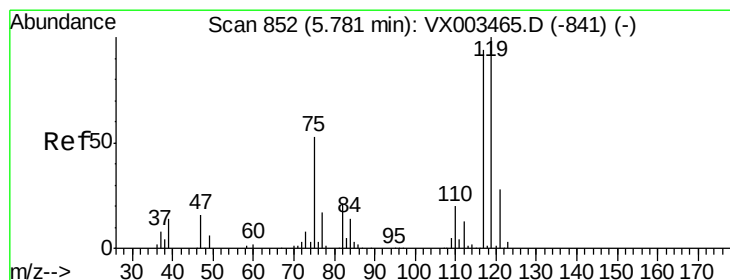
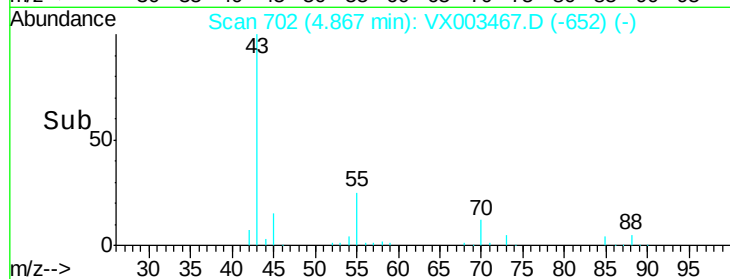
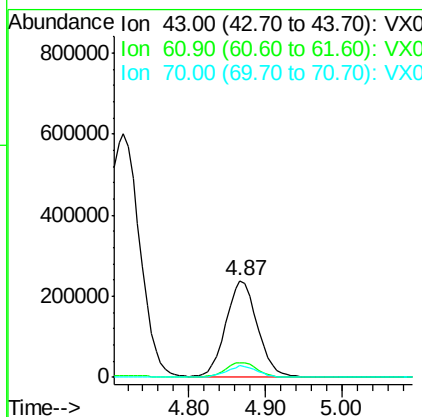
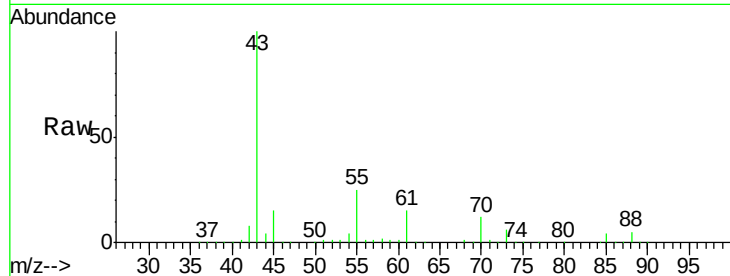
#37
Ethyl Acetate
Concen: 125.18 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.4	15.6
70	11.5	7.6	11.4

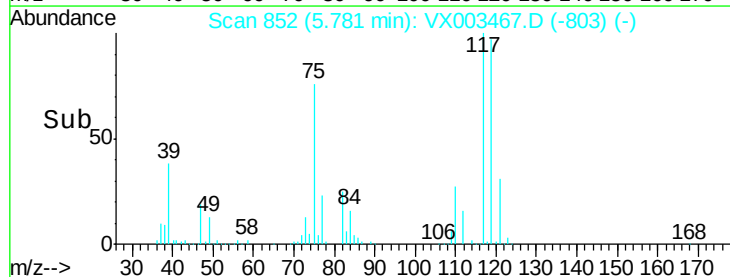
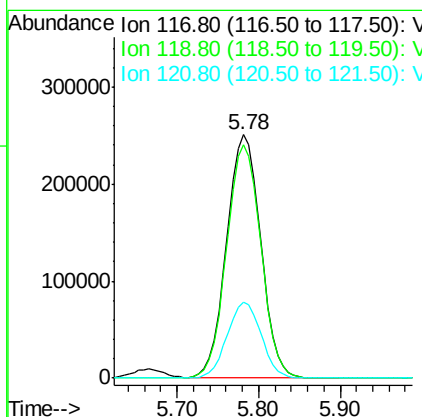
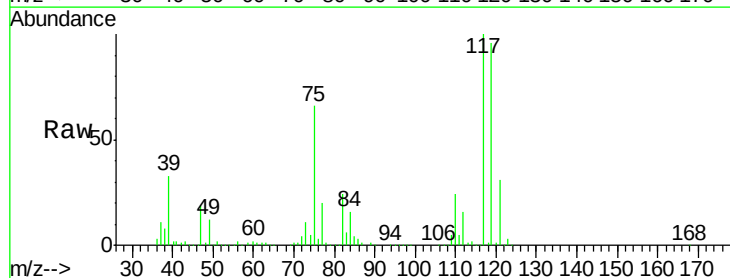
Manual Integrations
APPROVED

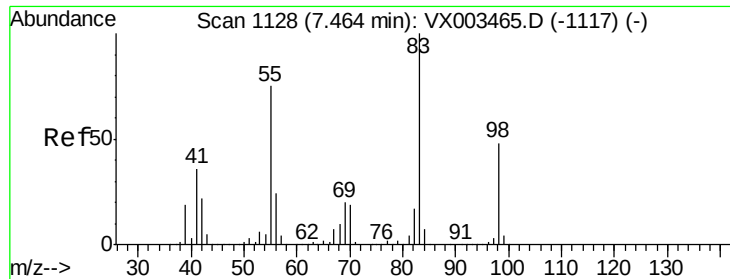
MMDadoda
7/20/2018 5:22:10 PM



#38
Carbon Tetrachloride
Concen: 151.27 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
121	31.0	24.4	36.6





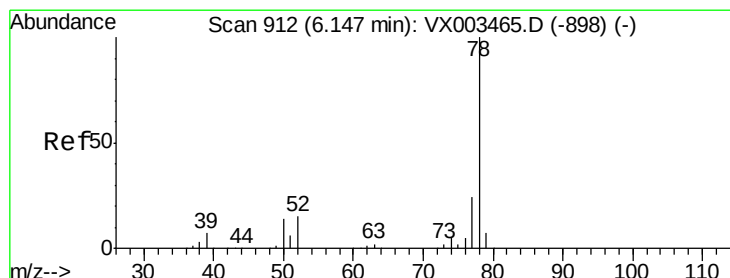
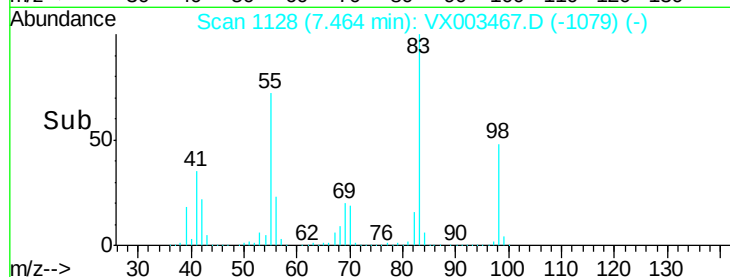
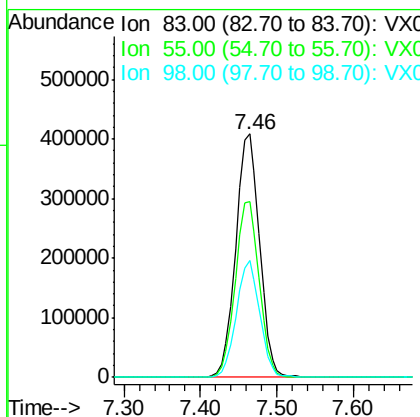
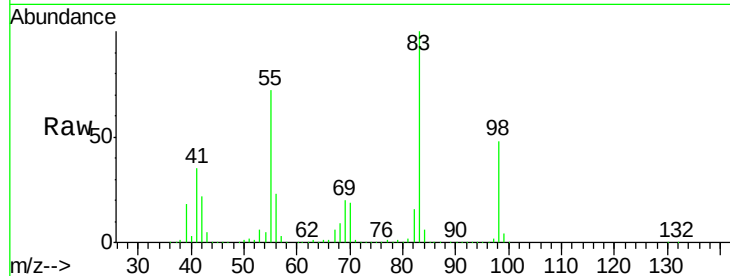
#39
Methylvlcyclohexane
Concen: 156.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	65.4	98.0
98	47.8	37.4	56.0

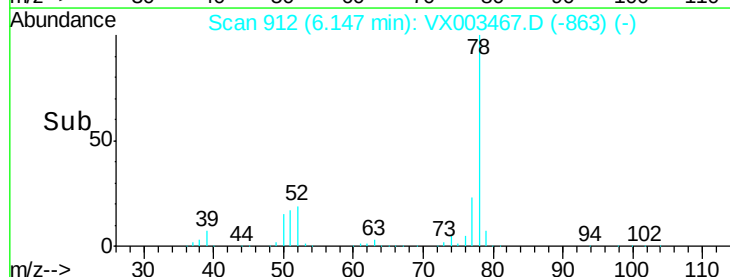
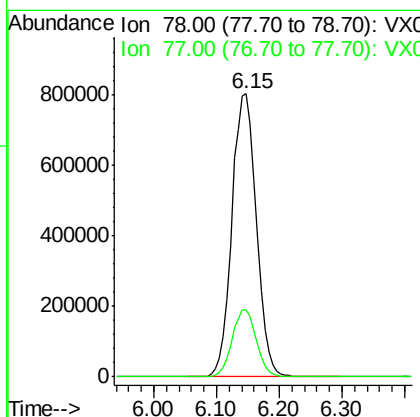
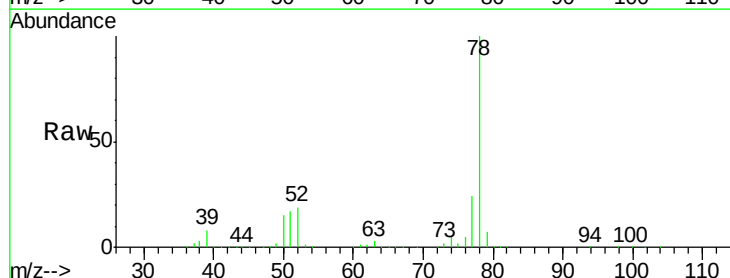
Manual Integrations
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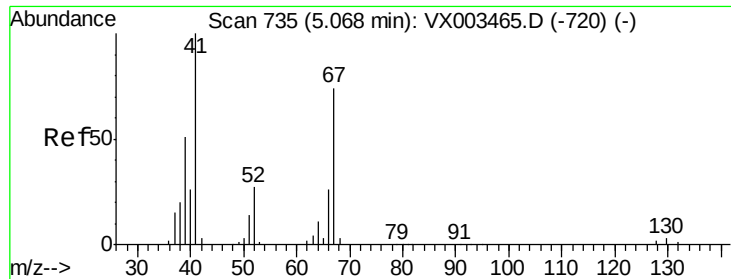
MMDadoda
7/20/2018 5:22:10 PM



#40
Benzene
Concen: 149.81 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





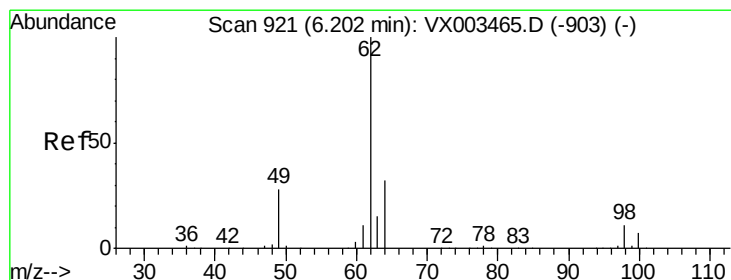
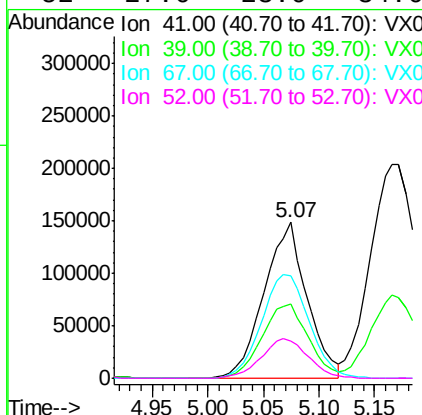
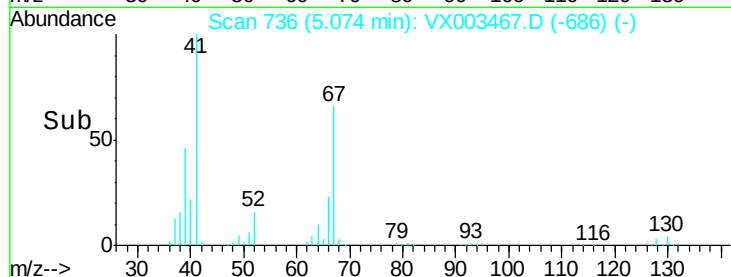
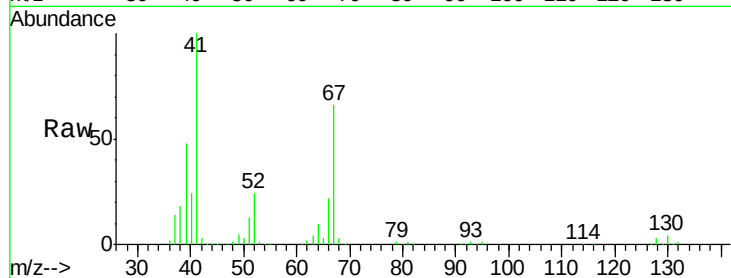
#41
Methacrylonitrile
Concen: 129.15 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		397353		
39	51.4	45.8	68.6		
67	74.6	51.3	76.9		
52	27.6	23.0	34.6		

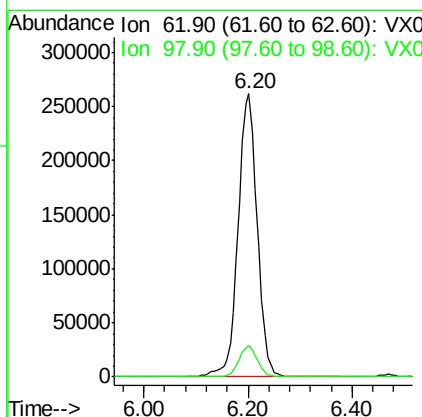
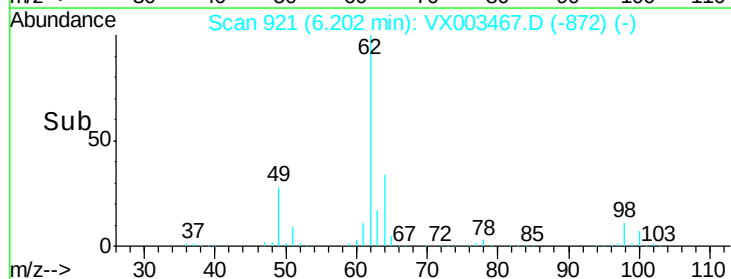
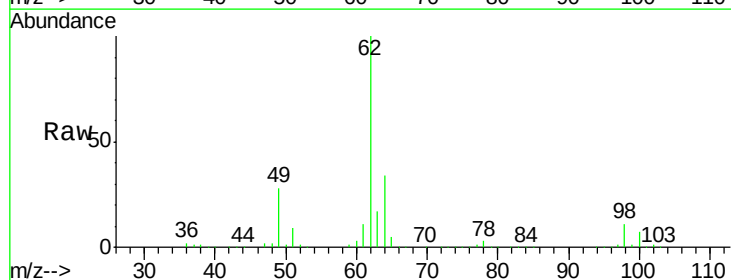
Manual Integrations
APPROVED

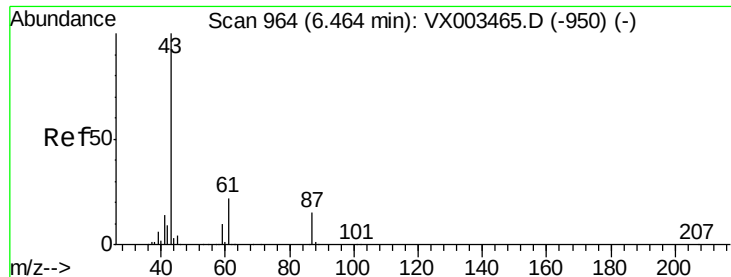
MMDadoda
7/20/2018 5:22:10 PM



#42
1,2-Dichloroethane
Concen: 118.79 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		663909		
98	10.5	0.0	16.6		





#43

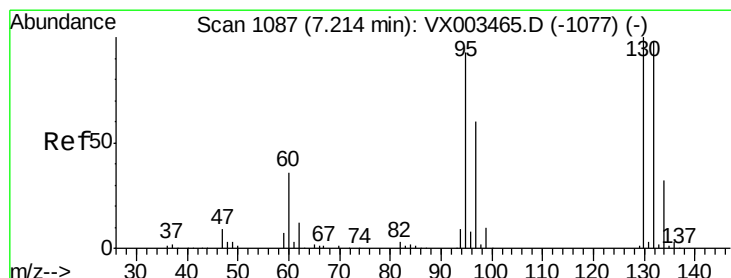
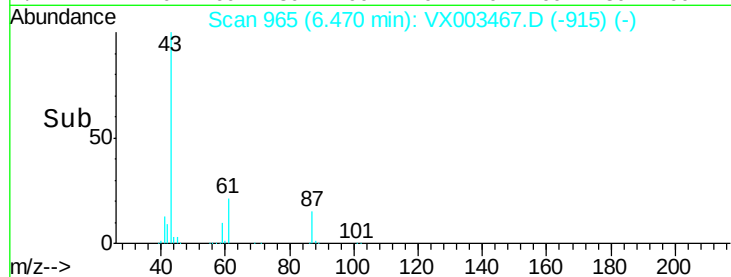
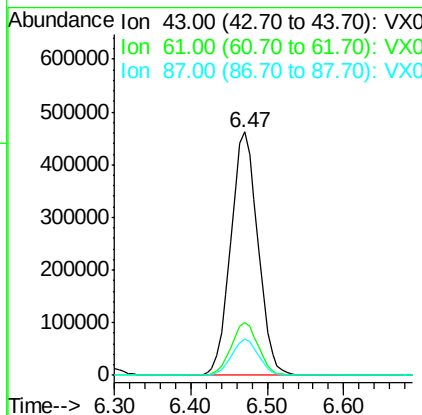
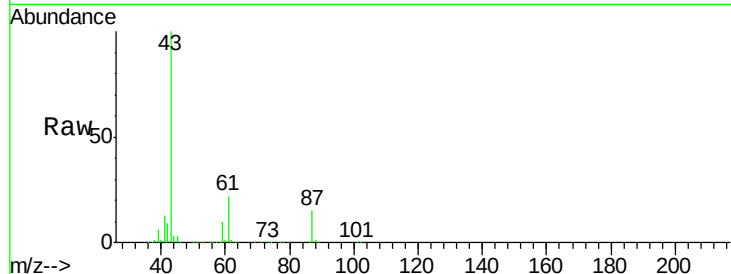
Isopropyl Acetate
 Concen: 125.58 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	14.4	21.6#
87	14.8	9.5	14.3#

Manual Integrations
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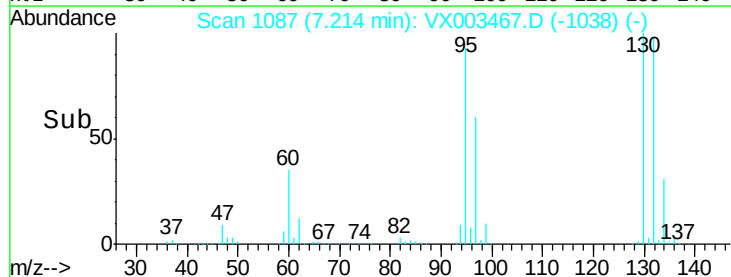
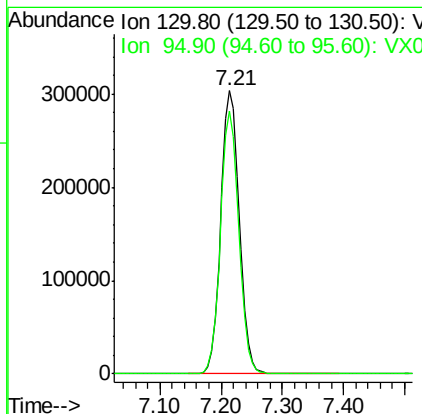
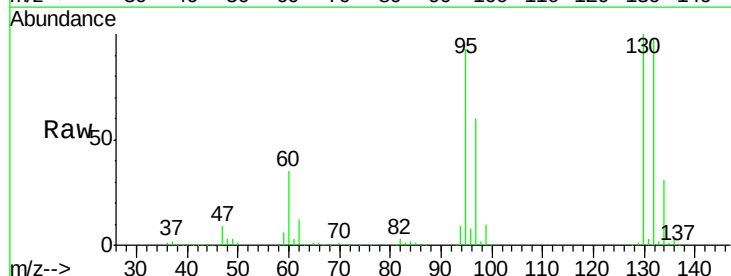
MMDadoda
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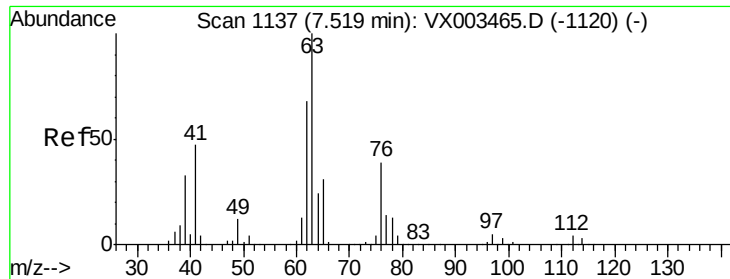


#44

Trichloroethene
 Concen: 153.90 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.4





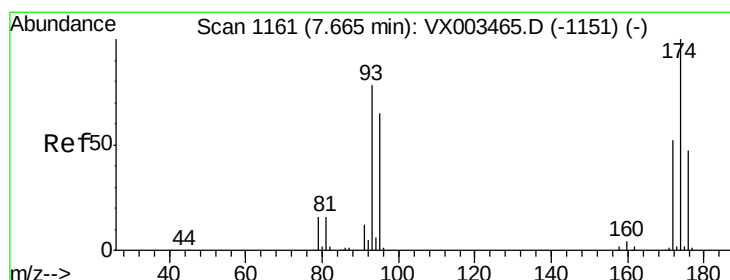
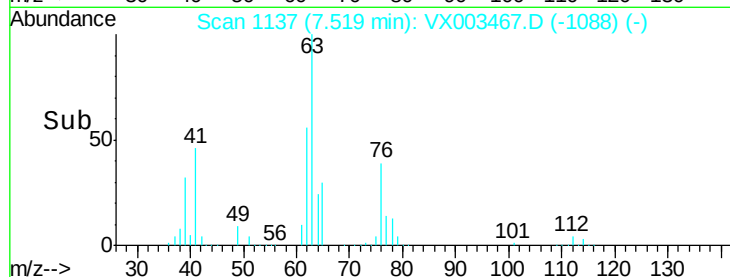
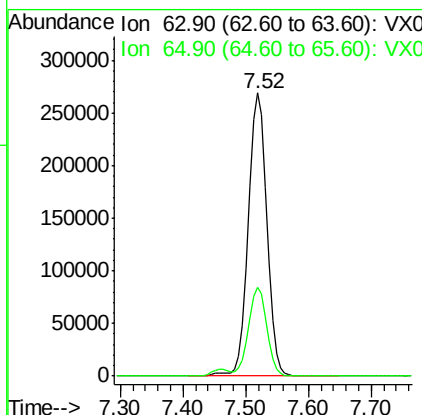
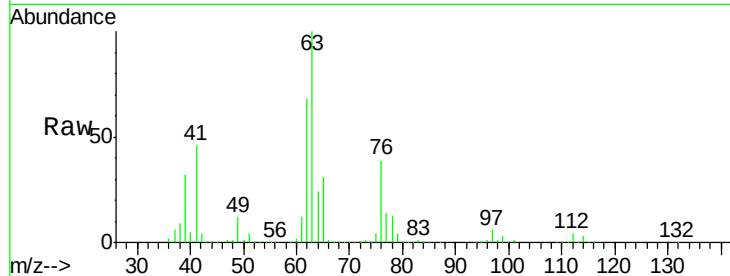
#45
 1,2-Dichloropropane
 Concen: 145.65 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion: 63 Resp: 553356
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

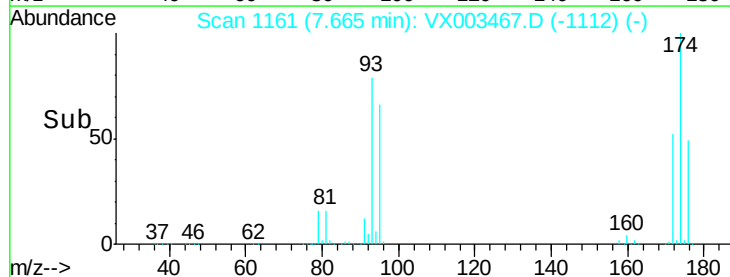
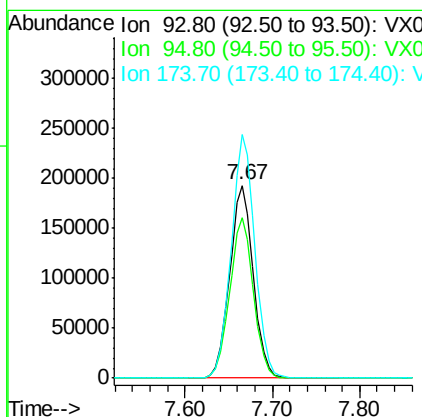
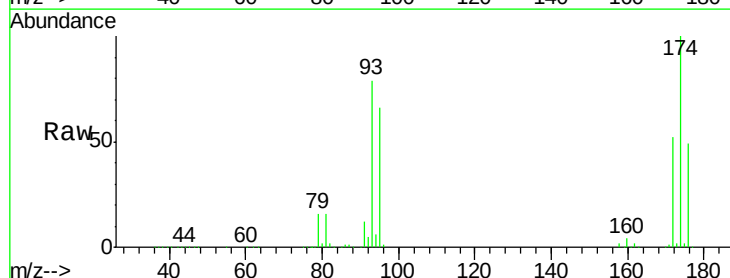
Manual Integrations
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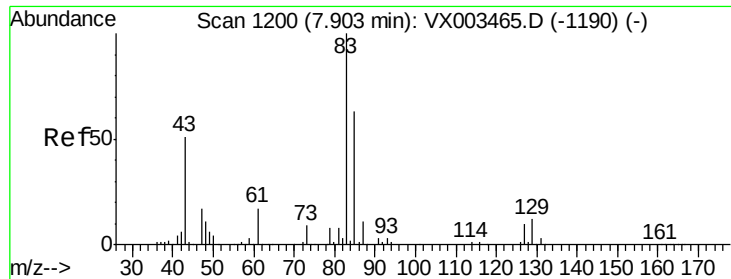
MMDadoda
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#46
 Dibromomethane
 Concen: 142.15 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion: 93 Resp: 361244
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.9 98.9
 174 126.6 92.4 138.6





#47

Bromodichloromethane

Concen: 155.61 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

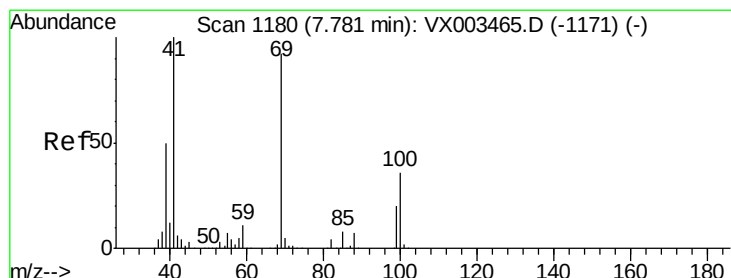
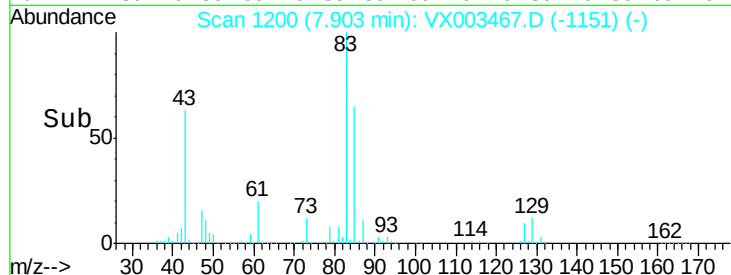
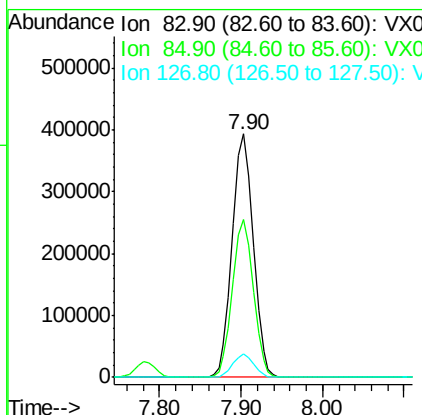
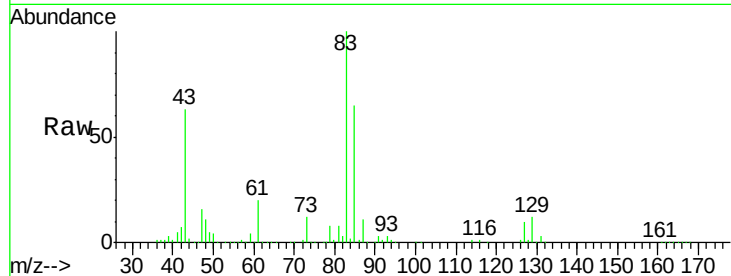
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	697473
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 127.07 ug/l

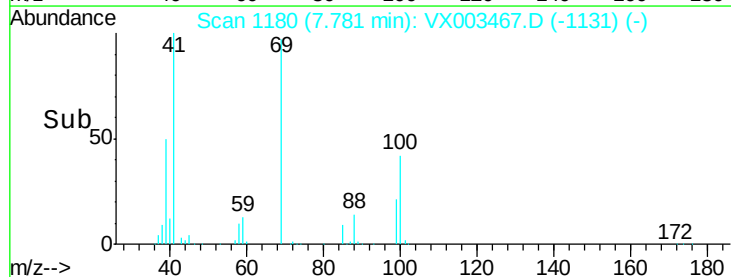
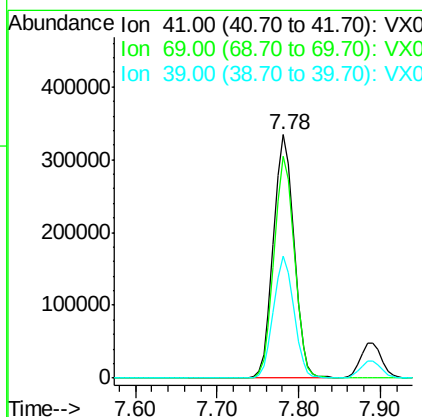
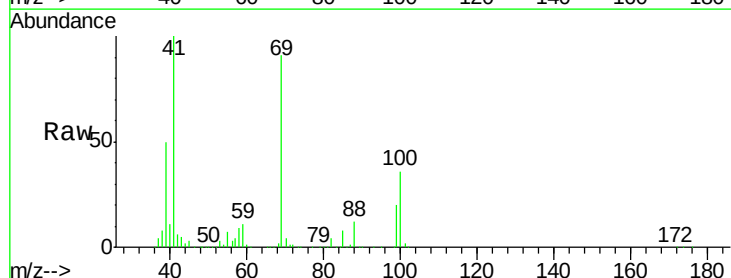
RT: 7.78 min Scan# 1180

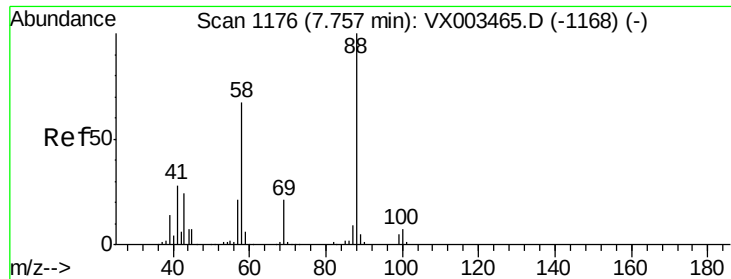
Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	41	Resp:	586241
Ion	Ratio	Lower	Upper
41	100		
69	90.0	59.1	88.7#
39	49.1	48.9	73.3





#49

1,4-Dioxane

Concen: 2908.45 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

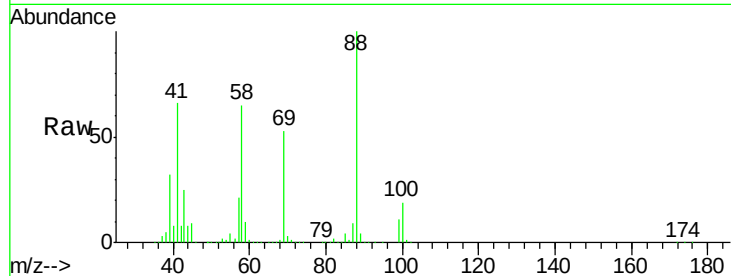
ClientSampleId :

VSTDIC150

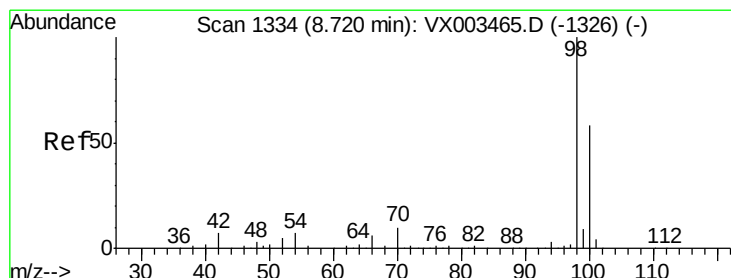
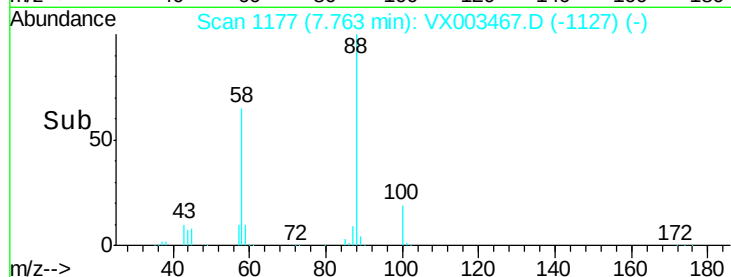
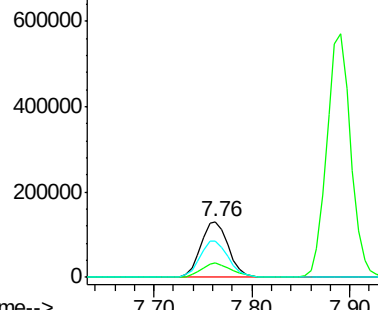
Tot Ion:	88	Resp:	254103
Ion Ratio	Lower	Upper	
88	100		
43	28.6	29.8	44.6#
58	67.6	57.1	85.7

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 140.80 ug/l

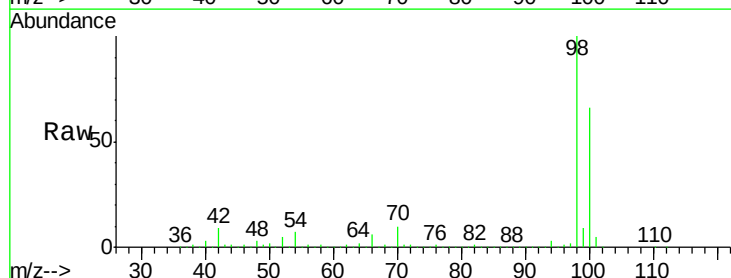
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

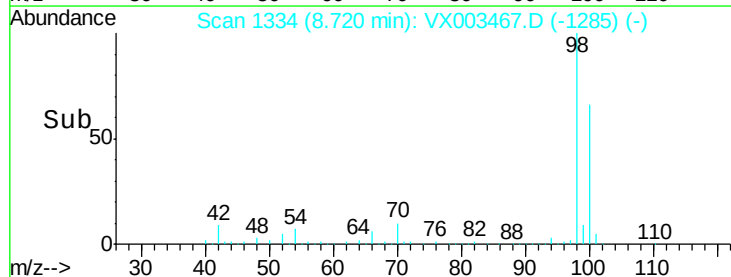
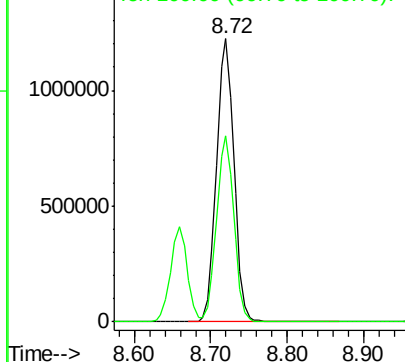
Lab File: VX003467.D

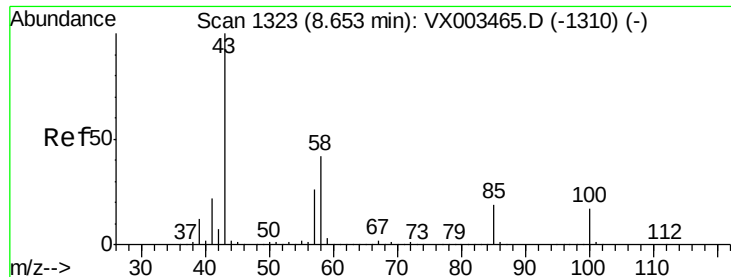
Acq: 19 Jul 2018 15:14

Tgt Ion:	98	Resp:	1934056
Ion Ratio	Lower	Upper	
98	100		
100	64.9	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





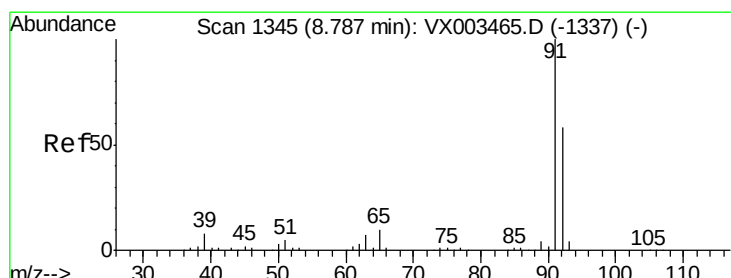
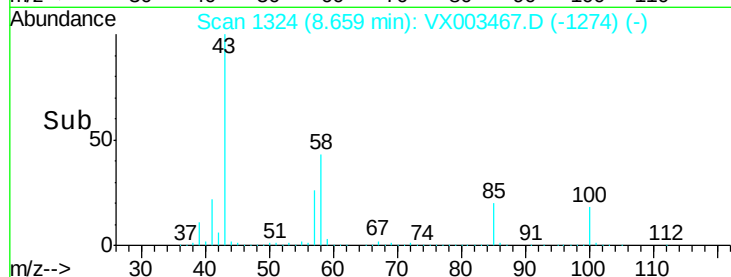
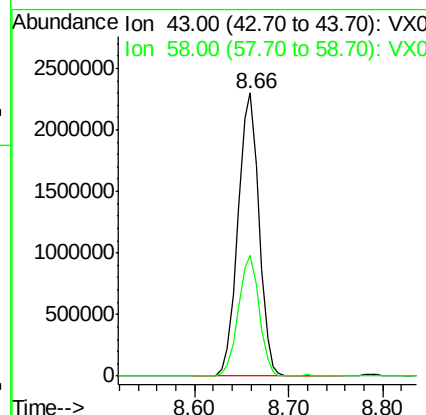
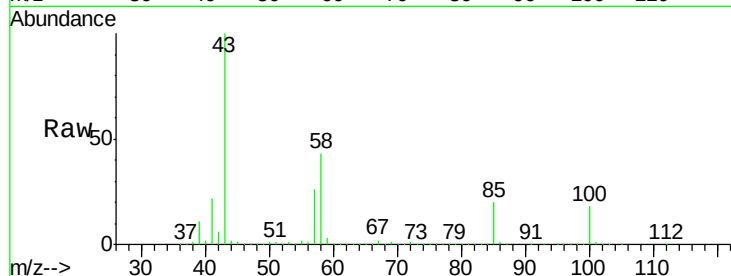
#51
4-Methyl-2-Pentanone
Concen: 614.75 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3563471
Ion Ratio Lower Upper
43 100
58 41.9 28.6 42.8

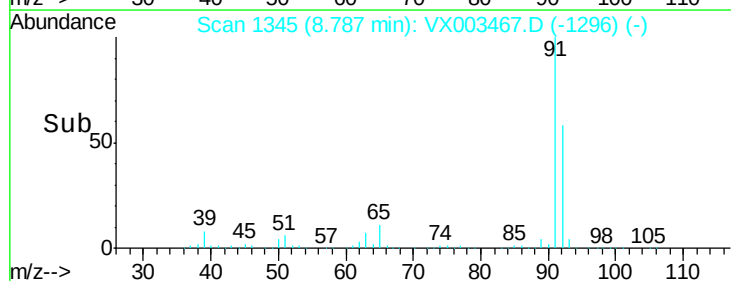
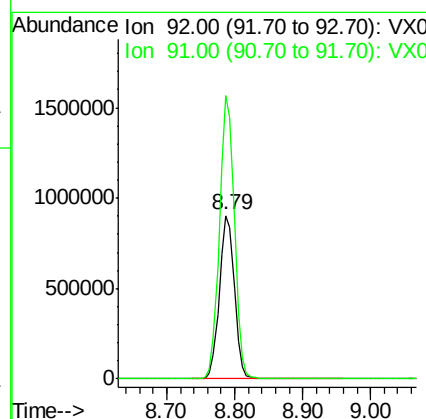
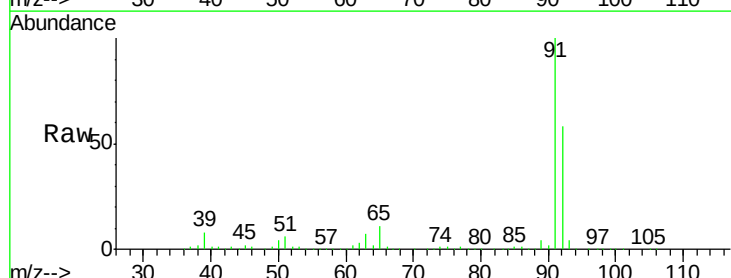
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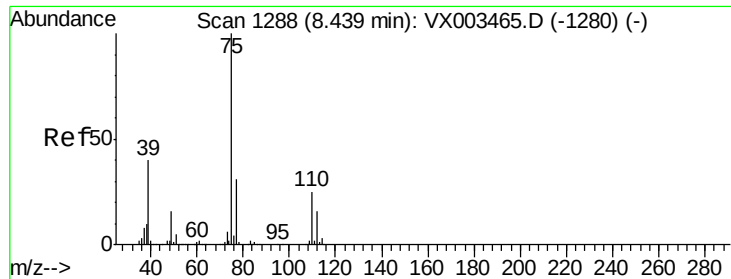
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#52
Toluene
Concen: 149.99 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion: 92 Resp: 1381101
Ion Ratio Lower Upper
92 100
91 172.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 168.32 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 75 Resp: 887711

Ion Ratio Lower Upper

75 100

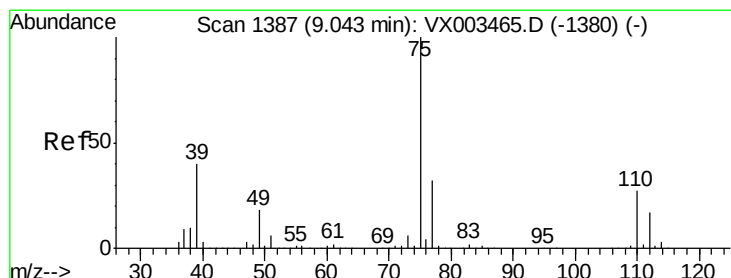
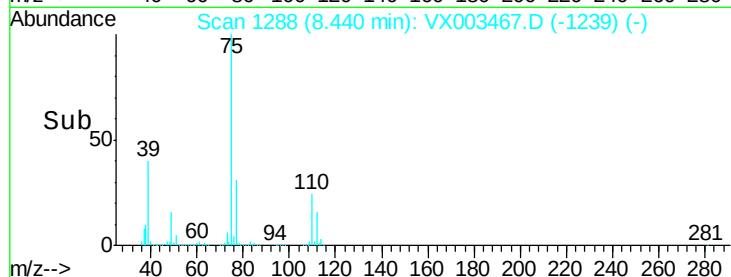
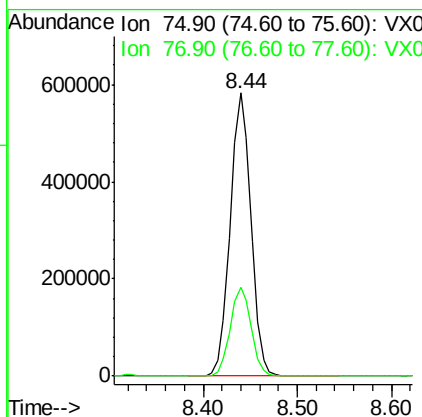
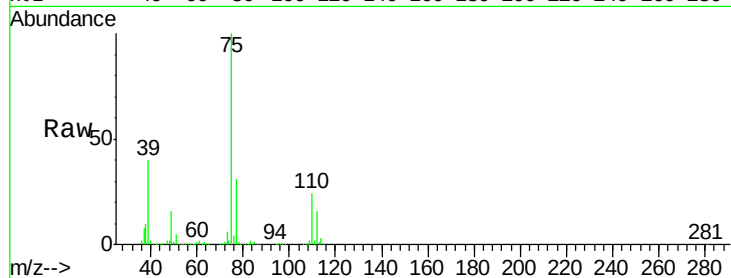
77 31.4 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 168.32 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

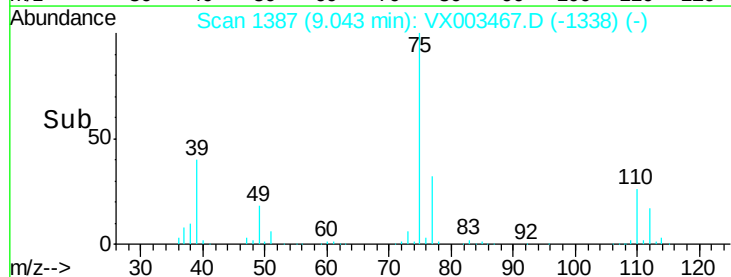
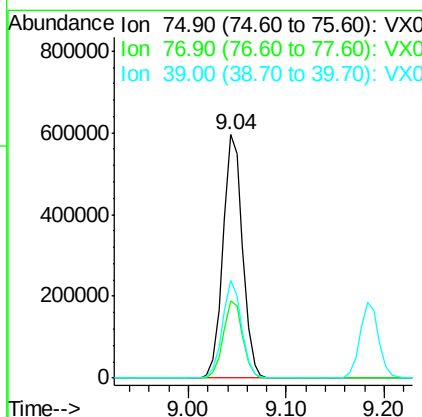
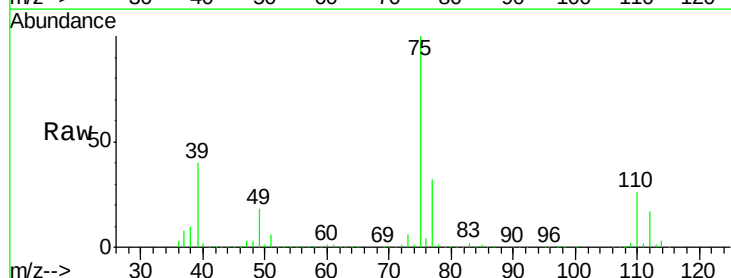
Tgt Ion: 75 Resp: 822308

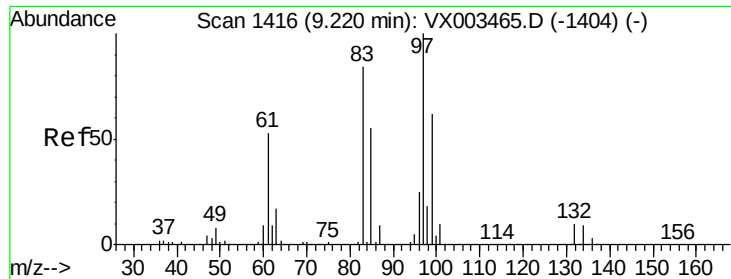
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 40.0 42.4 63.6#





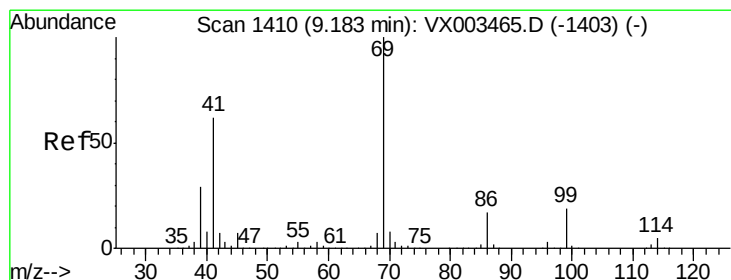
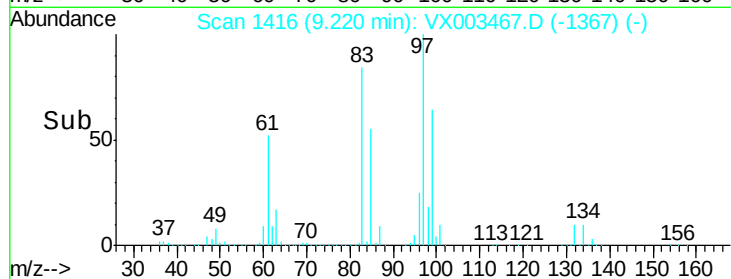
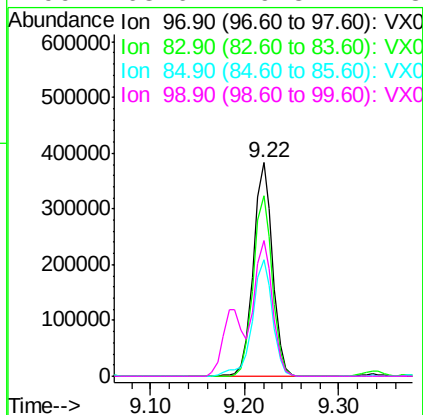
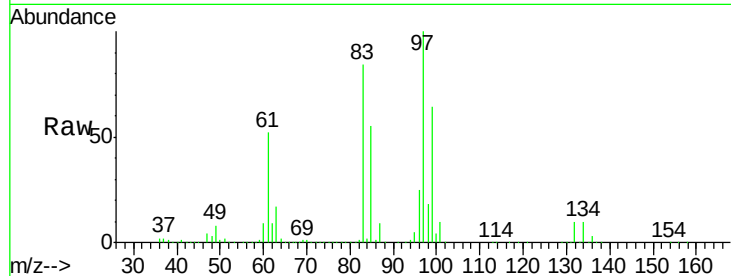
#55
 1,1,2-Trichloroethane
 Concen: 148.30 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	551792
Ion Ratio	Lower	Upper	
97	100		
83	84.3	70.2	105.2
85	54.8	44.9	67.3
99	63.6	49.8	74.8

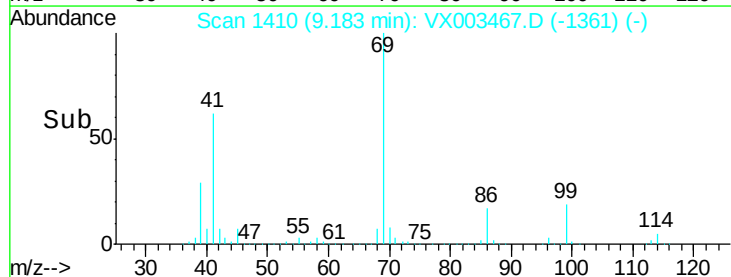
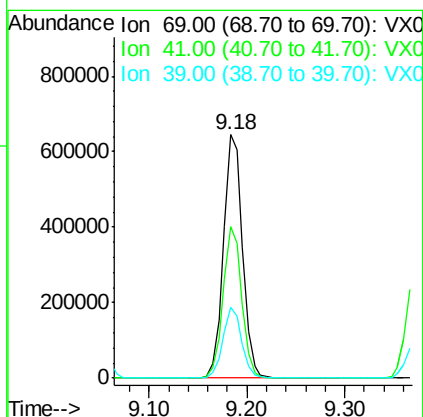
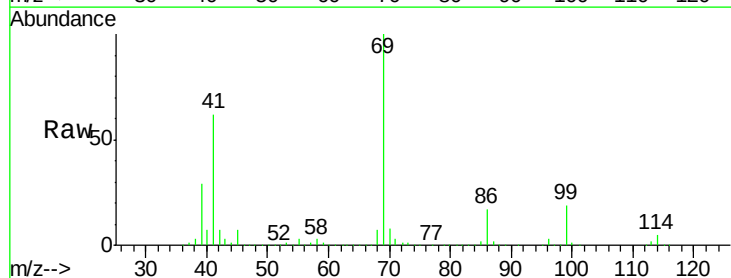
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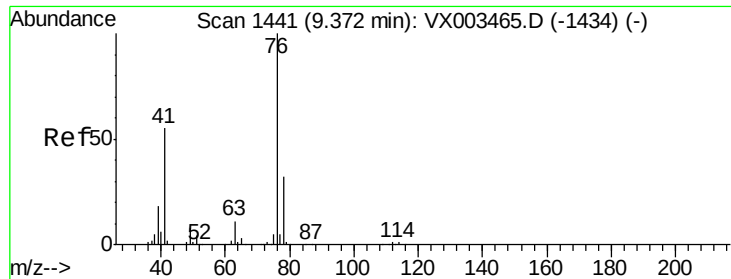
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#56
 Ethyl methacrylate
 Concen: 151.57 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion:	69	Resp:	867889
Ion Ratio	Lower	Upper	
69	100		
41	60.8	60.3	90.5
39	28.4	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 143.36 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 902140

Ion Ratio Lower Upper

76 100

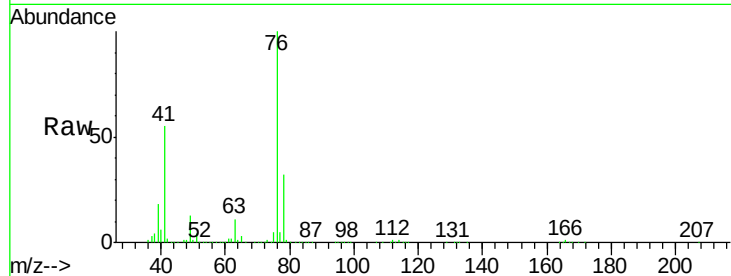
78 32.2 25.8 38.6

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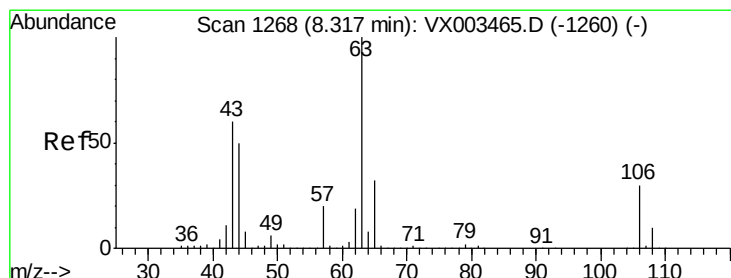
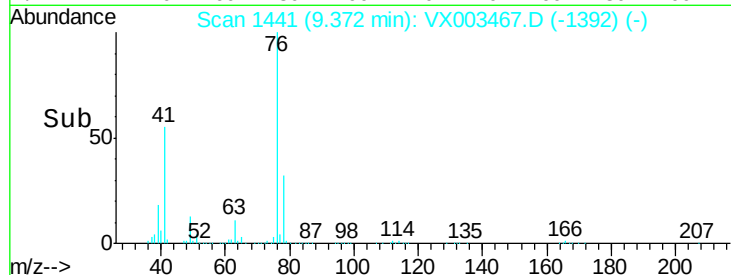
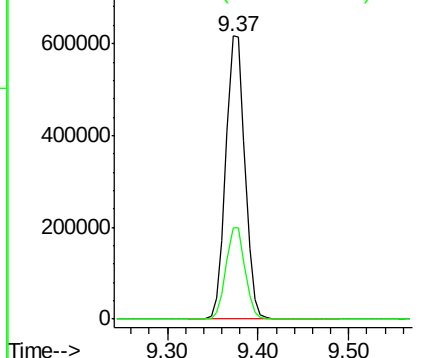
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 713.57 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003467.D

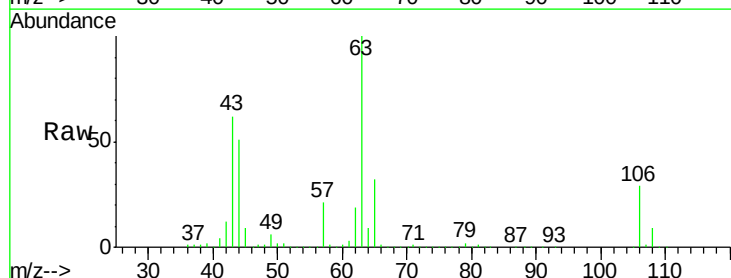
Acq: 19 Jul 2018 15:14

Tgt Ion: 63 Resp: 1976220

Ion Ratio Lower Upper

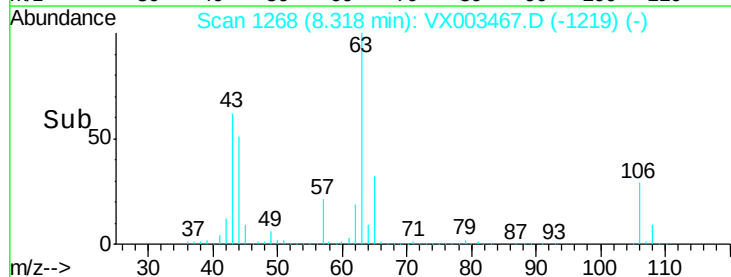
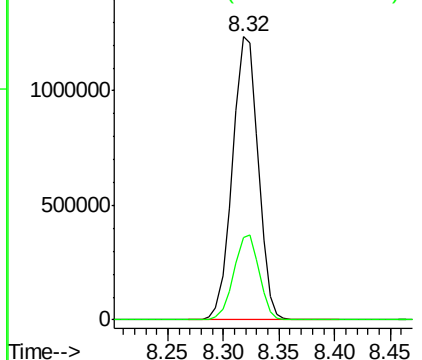
63 100

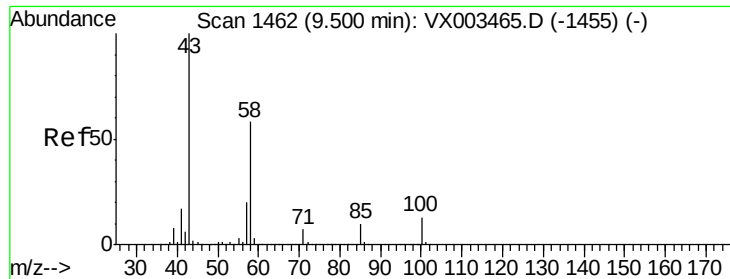
106 29.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





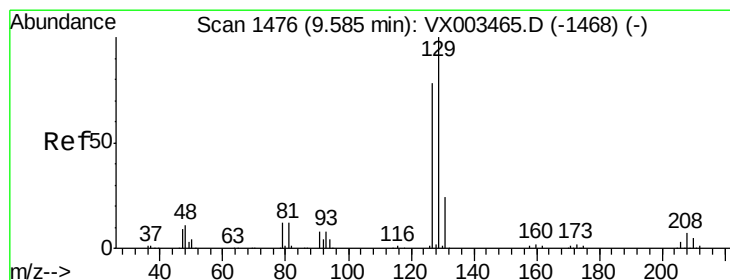
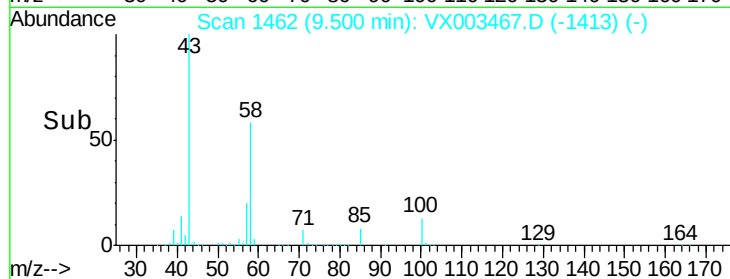
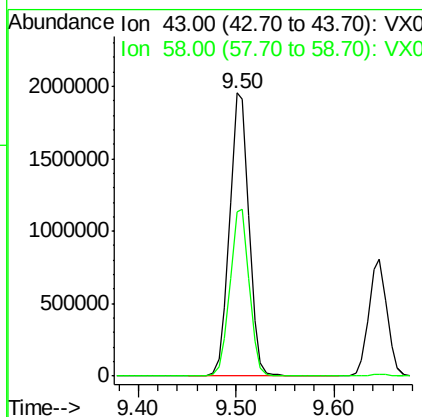
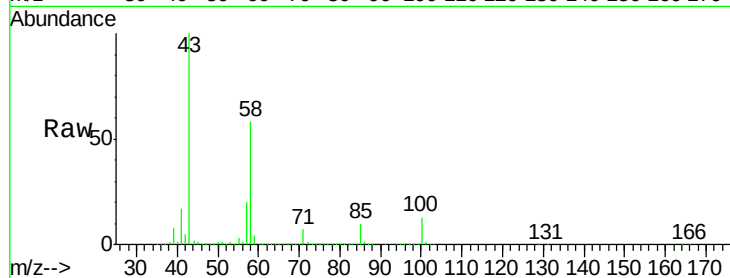
#59
2-Hexanone
Concen: 613.08 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2677902
Ion Ratio Lower Upper
43 100
58 58.8 24.6 73.6

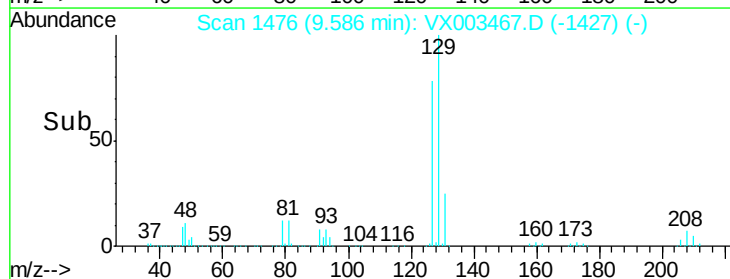
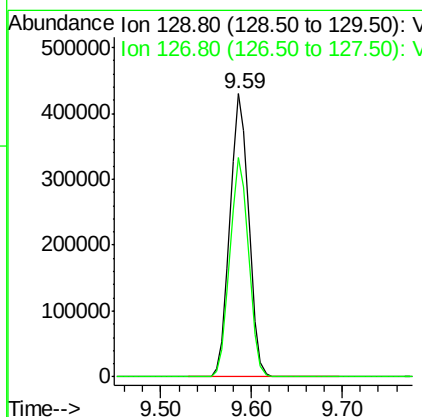
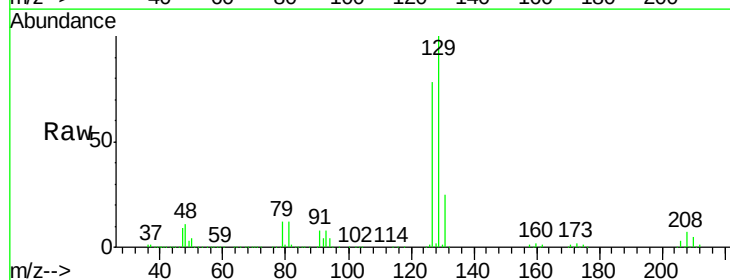
Manual Integrations
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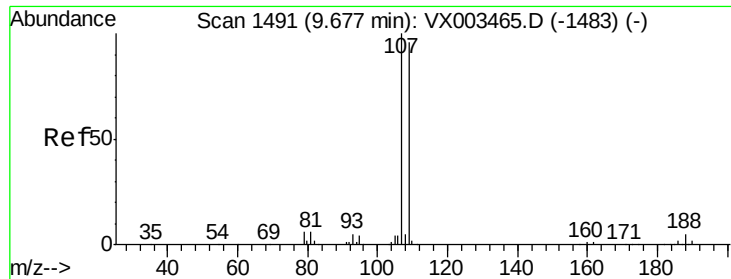
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#60
Dibromochloromethane
Concen: 172.56 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion: 129 Resp: 619759
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 153.97 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 593327

Ion Ratio Lower Upper

107 100

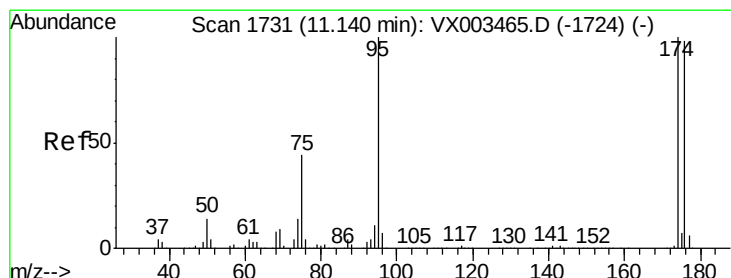
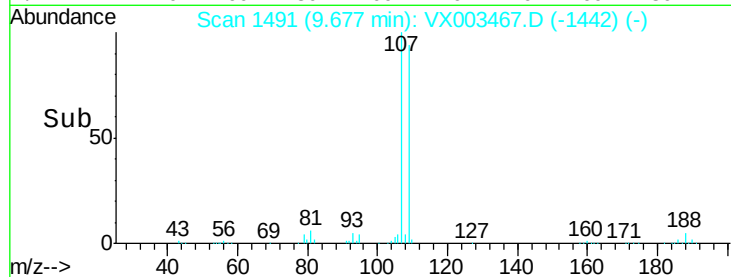
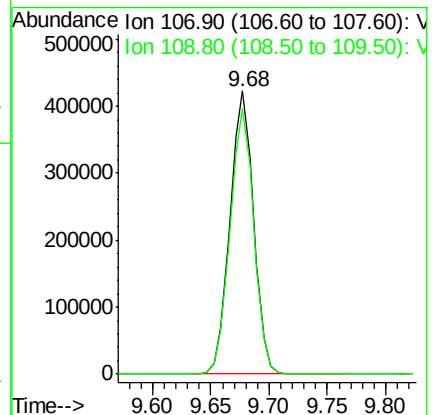
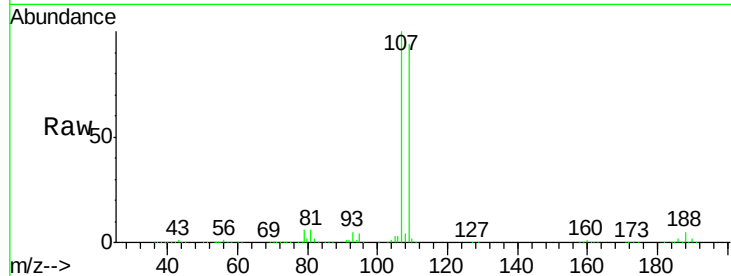
109 94.3 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 141.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

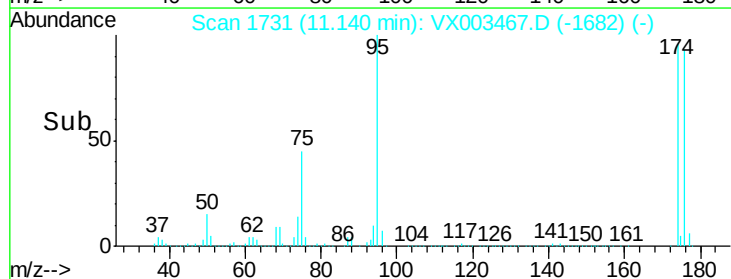
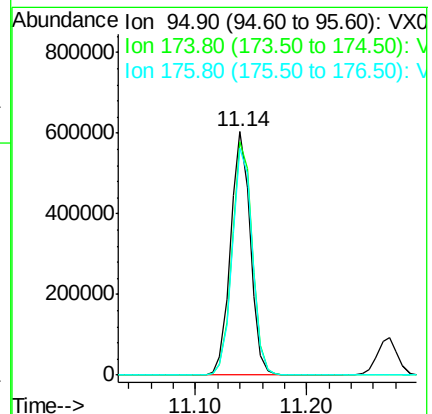
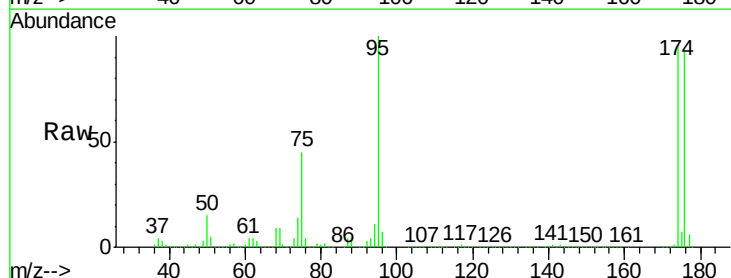
Tgt Ion: 95 Resp: 736584

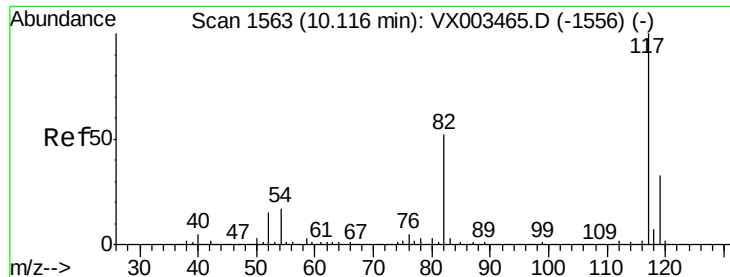
Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.4

176 95.4 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

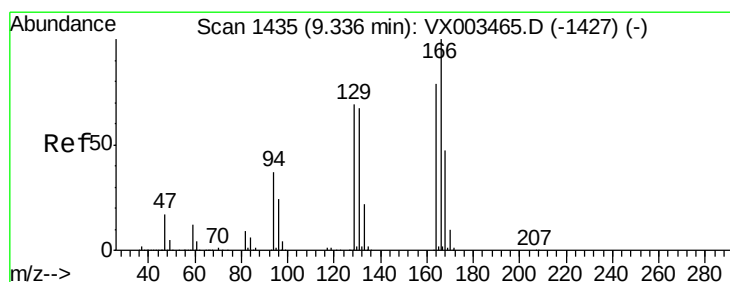
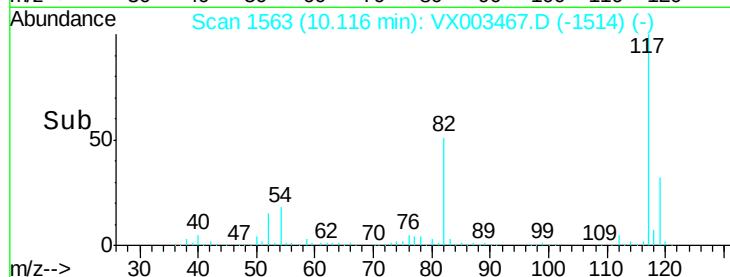
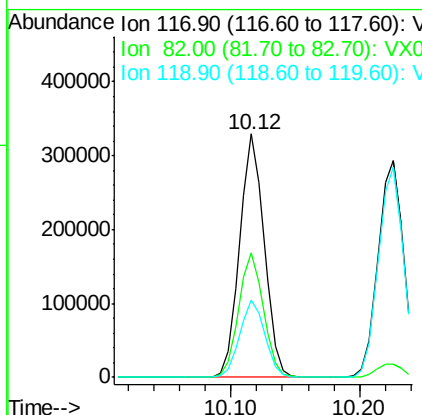
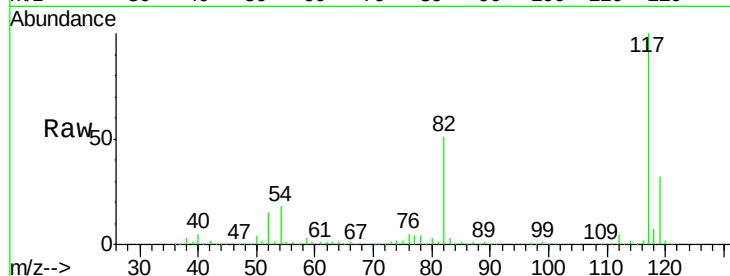
ClientSampled :

VSTDIC150

Tot Ion:	117	Resp:	436186
Ion Ratio	Lower	Upper	
117	100		
82	51.1	45.0	67.4
119	31.6	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 147.68 ug/l

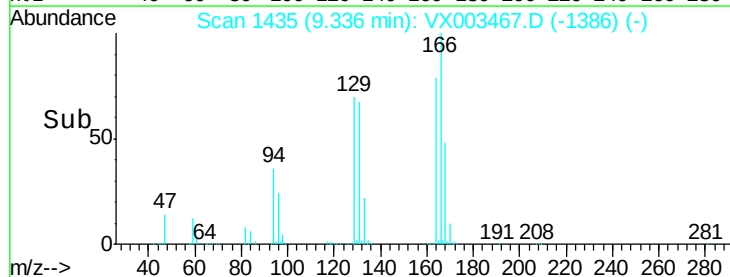
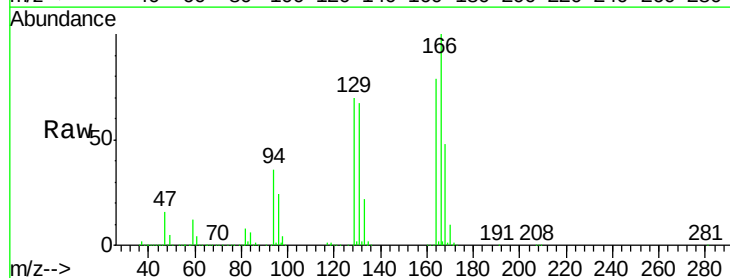
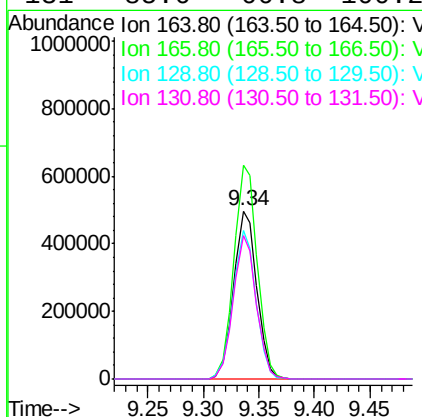
RT: 9.34 min Scan# 1435

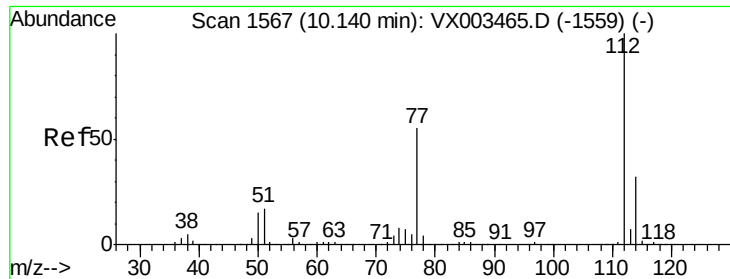
Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	164	Resp:	715059
Ion Ratio	Lower	Upper	
164	100		
166	127.0	102.9	154.3
129	88.3	68.6	102.8
131	85.6	66.8	100.2





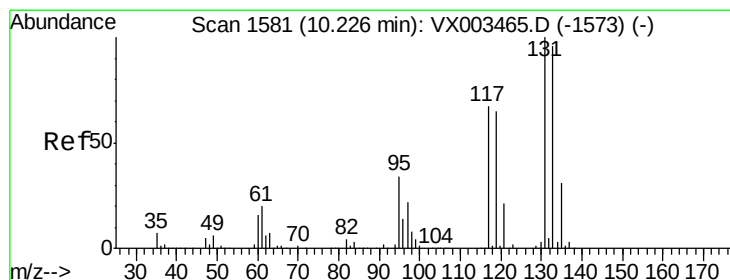
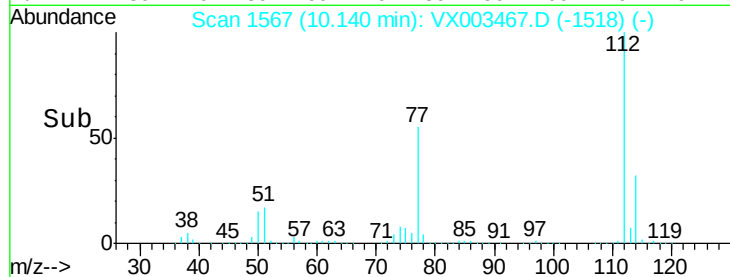
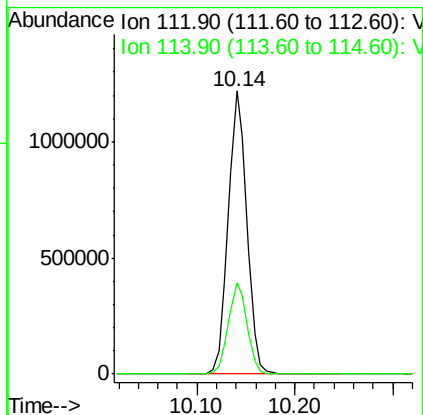
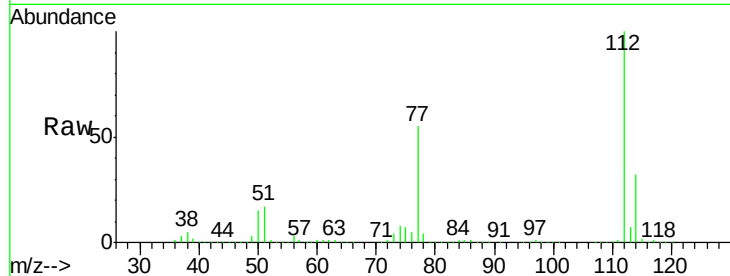
#65
Chlorobenzene
Concen: 150.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 1612127
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

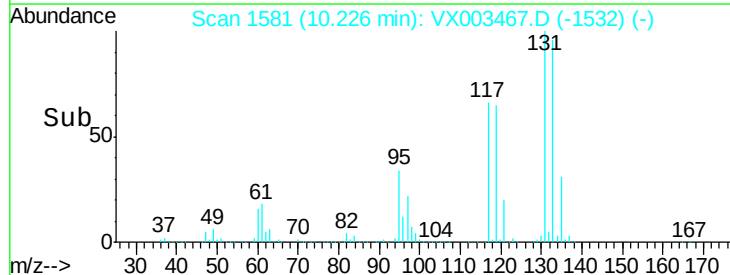
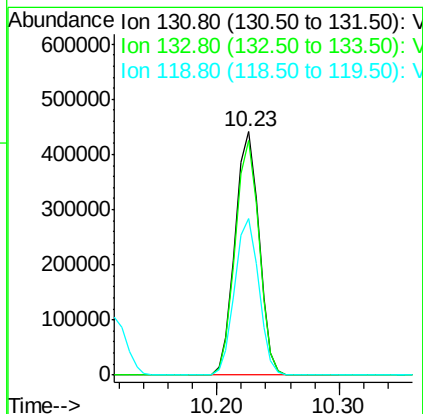
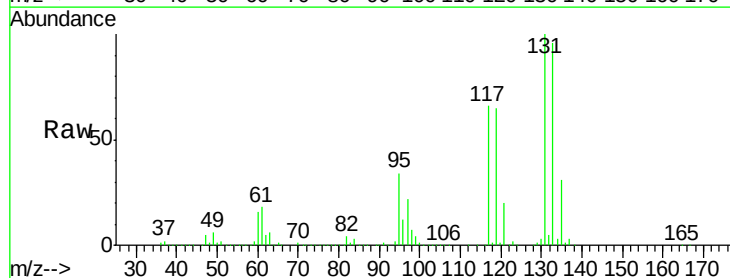
Manual Integrations
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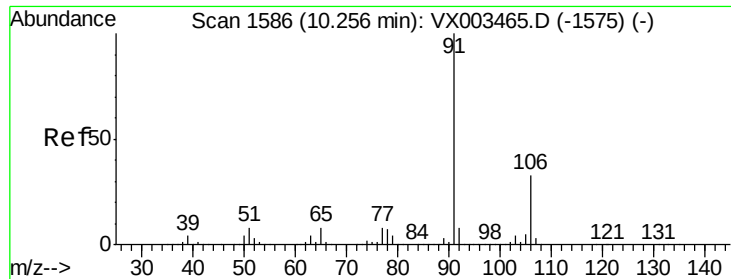
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 162.96 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion:131 Resp: 595134
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.6
119 64.7 31.8 95.3





#67

Ethyl Benzene

Concen: 148.90 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2690397

Ion Ratio Lower Upper

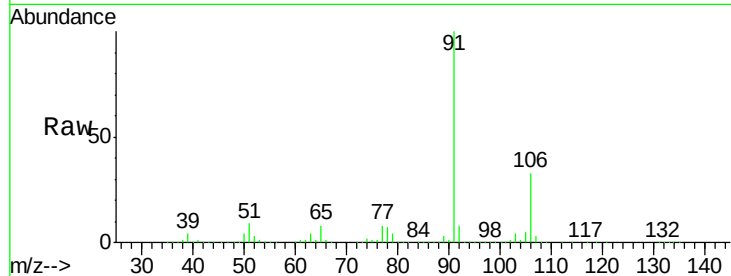
91 100

106 32.8 25.5 38.3

Manual Integrations
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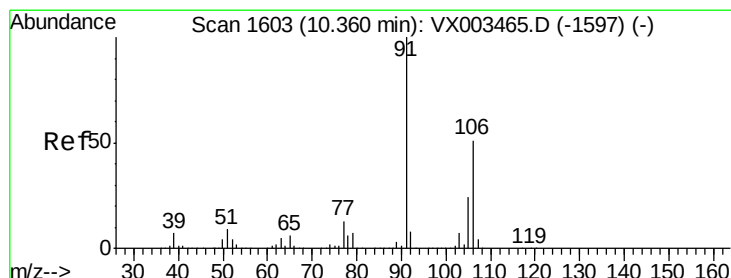
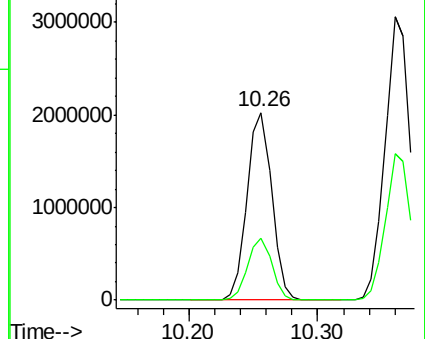
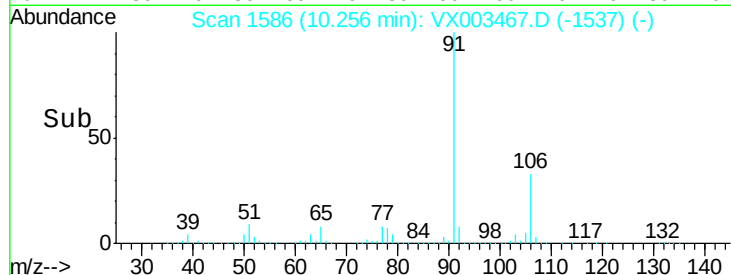
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Abundance Ion 91.00 (90.70 to 91.70): VX003467.D (-1575) (-)

Ion 106.00 (105.70 to 106.70): VX003467.D (-1575) (-)



#68

m/p-Xylenes

Concen: 307.21 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003467.D

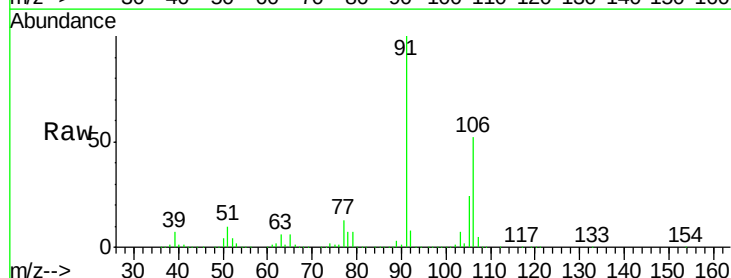
Acq: 19 Jul 2018 15:14

Tgt Ion: 106 Resp: 2141099

Ion Ratio Lower Upper

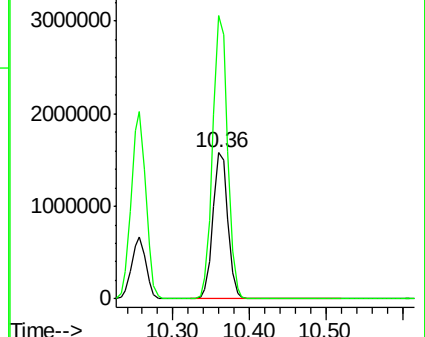
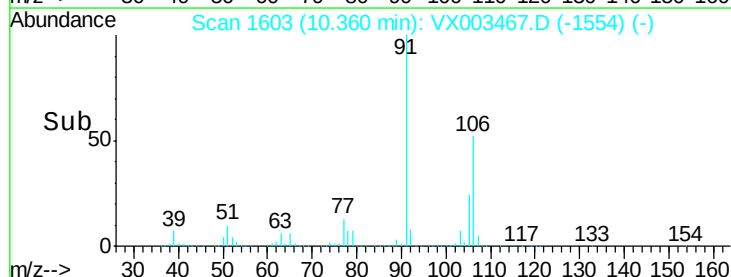
106 100

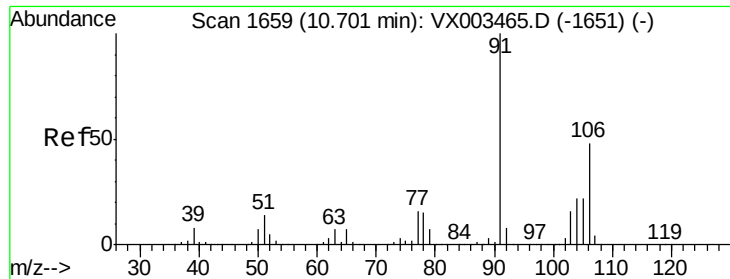
91 193.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003467.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX003467.D (-1597) (-)





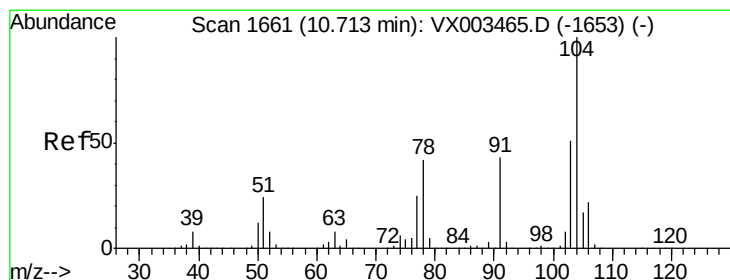
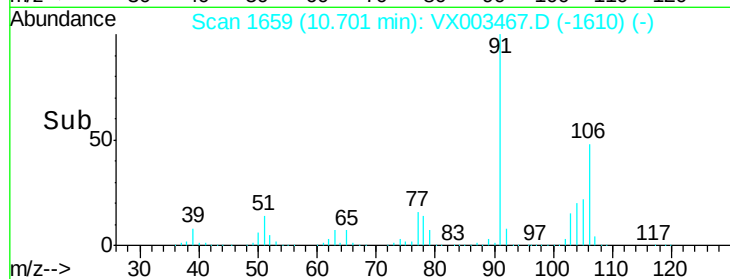
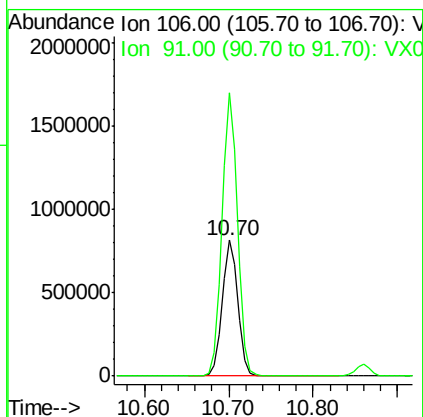
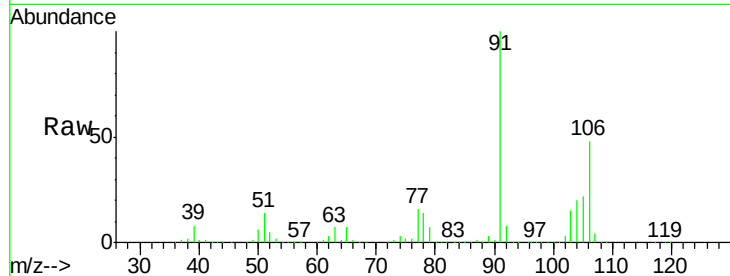
#69
o-Xylene
Concen: 152.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1041595
Ion Ratio Lower Upper
106 100
91 207.9 108.2 324.6

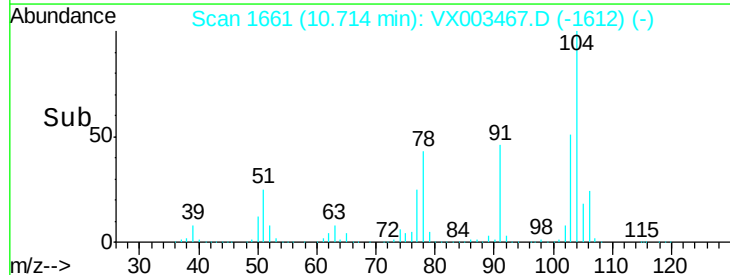
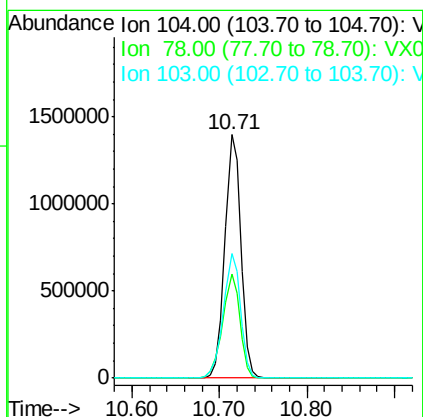
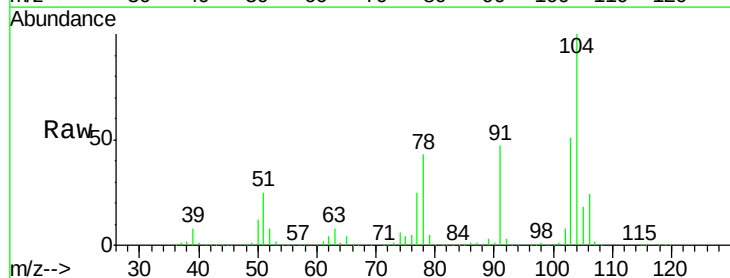
Manual Integrations
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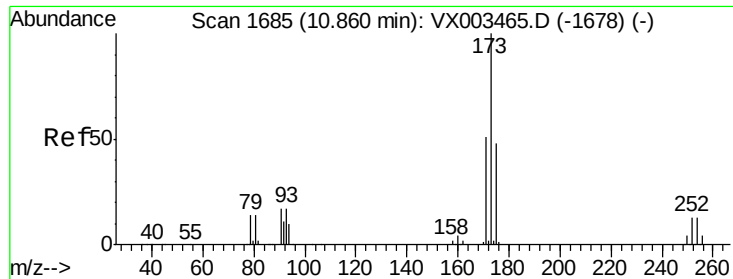
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#70
Styrene
Concen: 156.62 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion:104 Resp: 1763741
Ion Ratio Lower Upper
104 100
78 46.3 41.0 61.6
103 55.0 44.2 66.4





#71

Bromoform

Concen: 189.24 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 519375

Ion Ratio Lower Upper

173 100

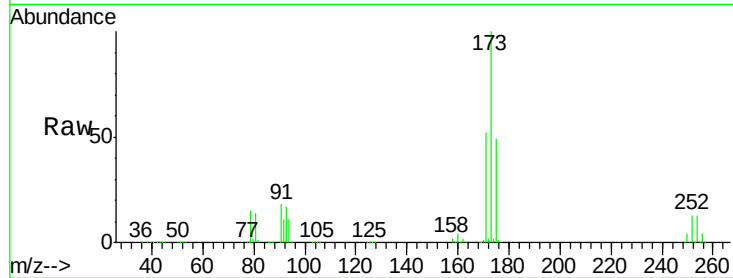
175 49.0 24.7 74.1

254 0.2 0.2 0.2

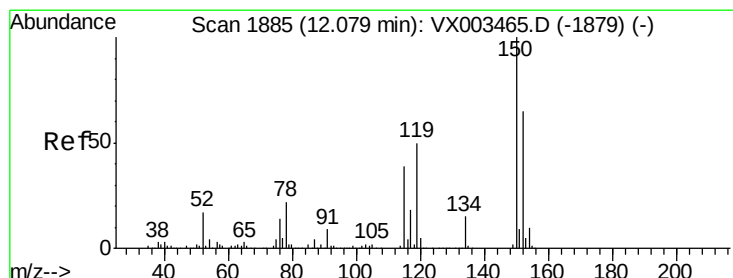
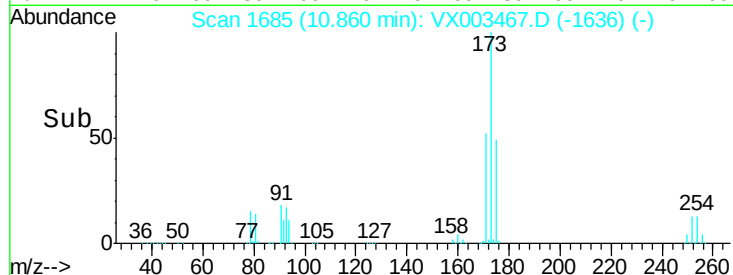
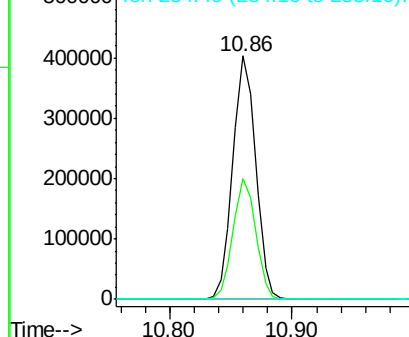
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

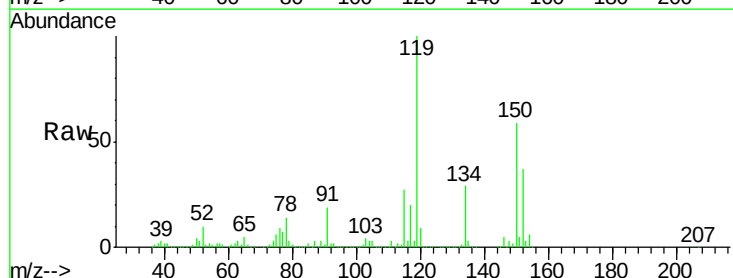
Tgt Ion:152 Resp: 272168

Ion Ratio Lower Upper

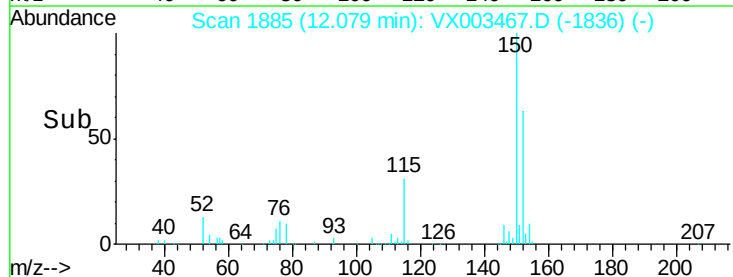
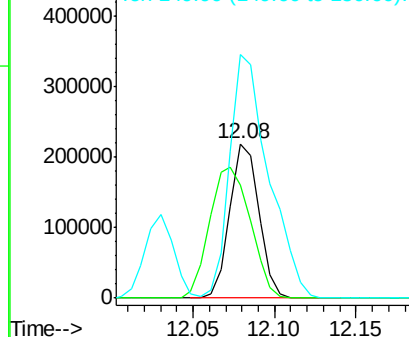
152 100

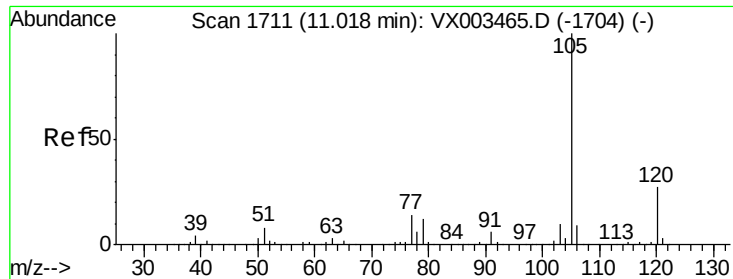
115 118.9 40.1 120.2

150 210.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 149.73 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2725517

Ion Ratio Lower Upper

105 100

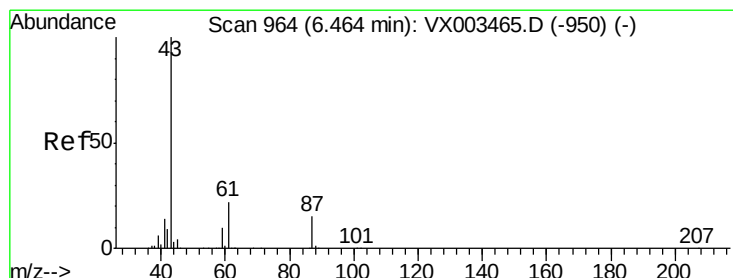
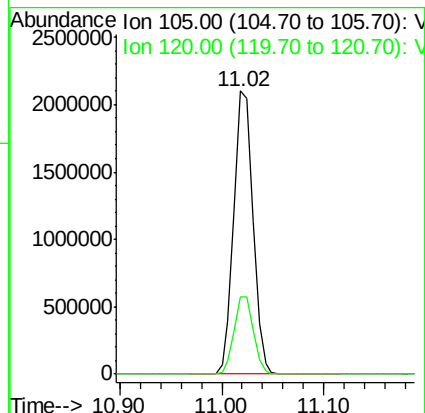
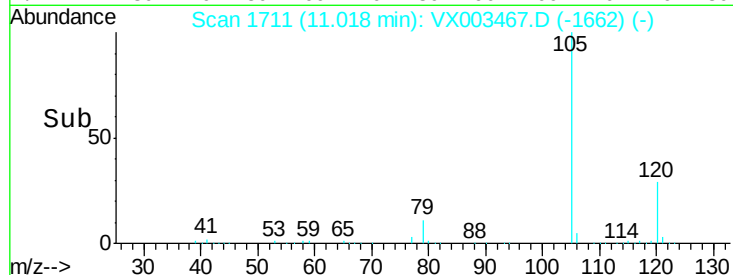
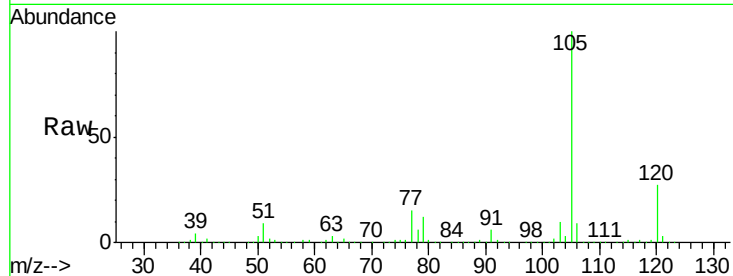
120 27.6 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 125.36 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion: 43 Resp: 1133741

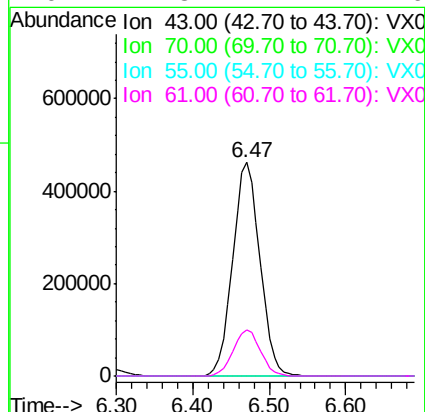
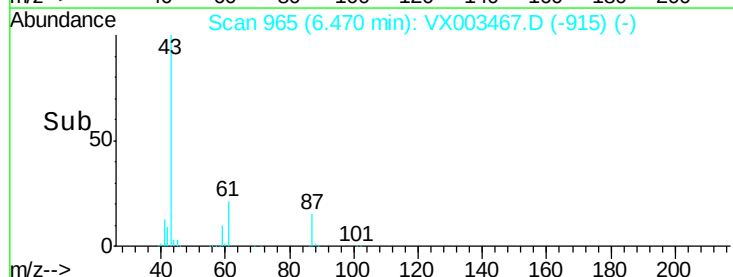
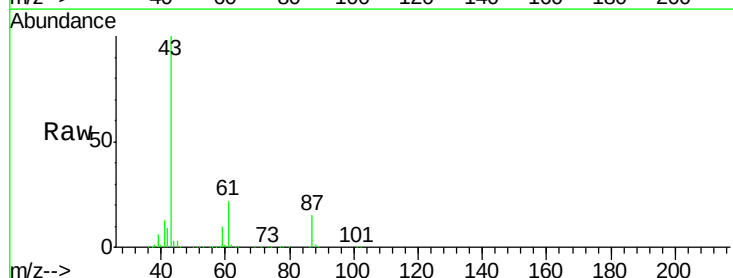
Ion Ratio Lower Upper

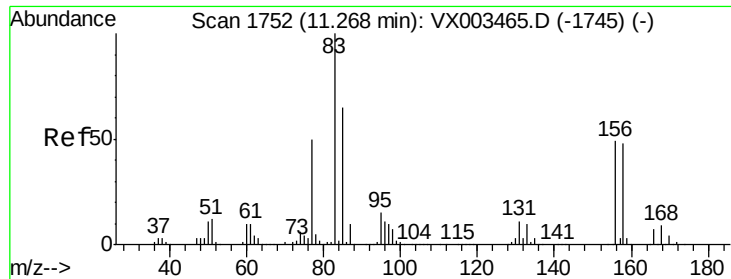
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.8 14.4 21.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 147.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

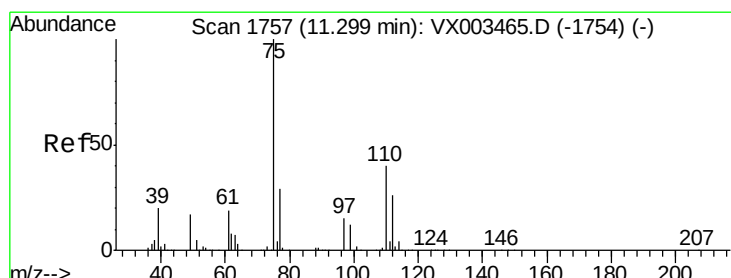
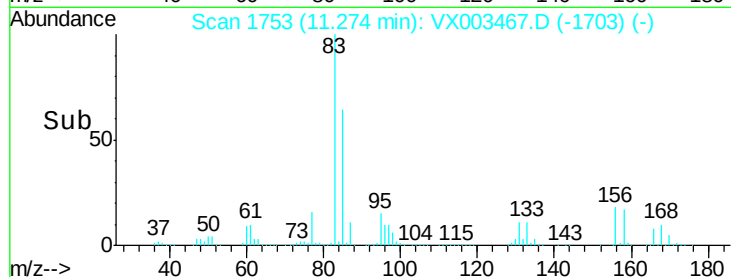
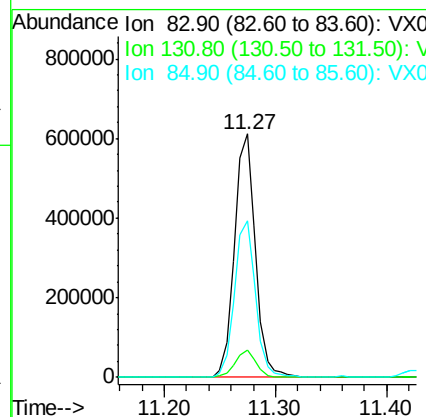
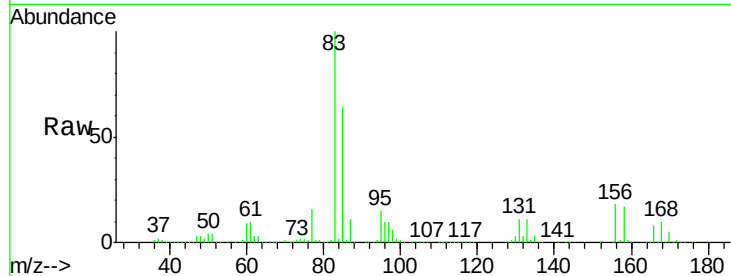
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	791961
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 134.37 ug/l m

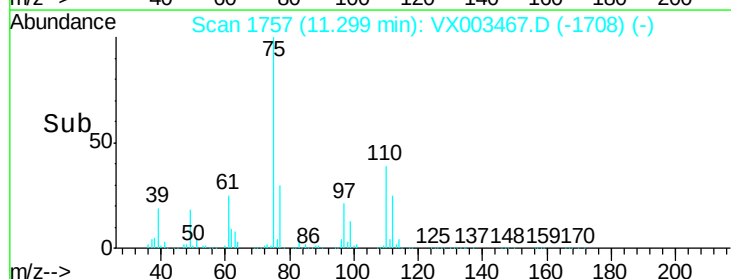
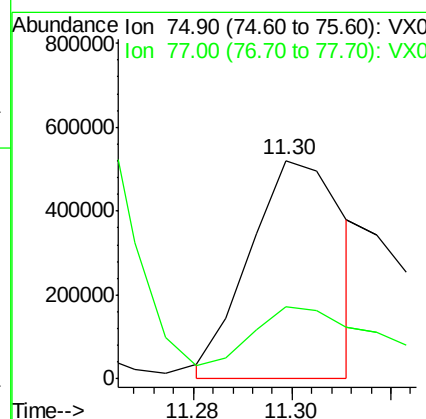
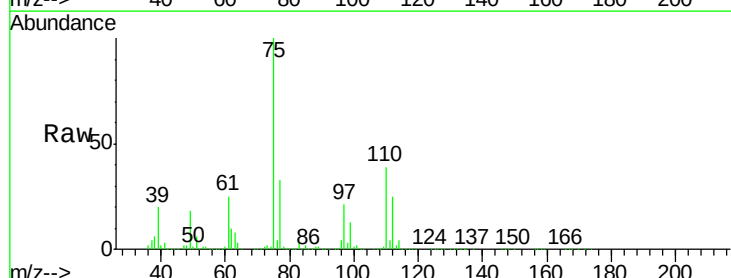
RT: 11.30 min Scan# 1757

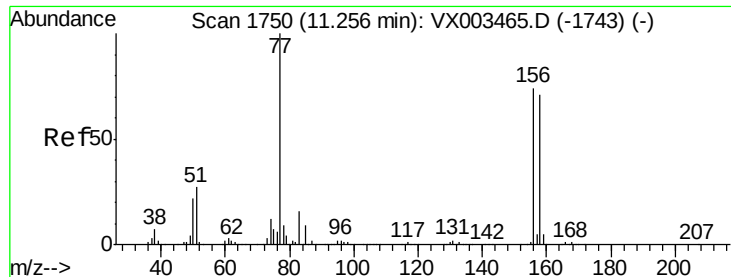
Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion:	75	Resp:	690115
Ion Ratio	Lower	Upper	
75	100		
77	45.9	22.8	68.3





#77

Bromobenzene

Concen: 153.07 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

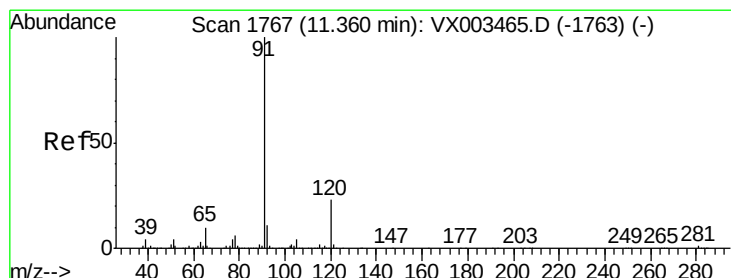
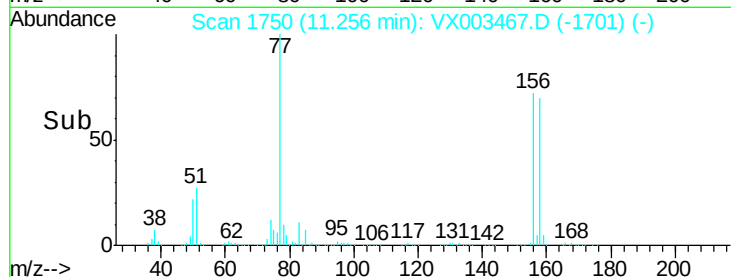
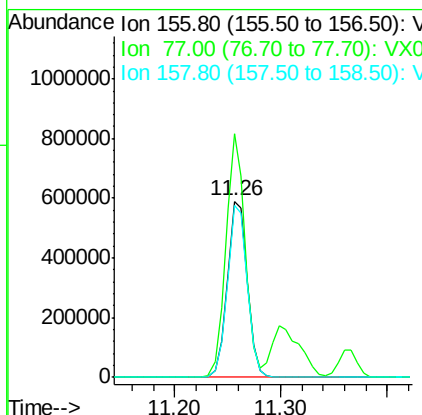
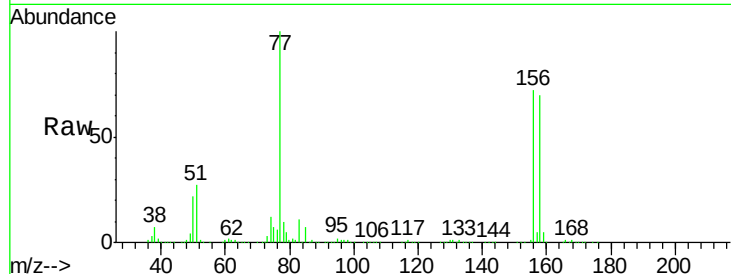
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.1	71.4	214.2
158	97.0	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 147.64 ug/l

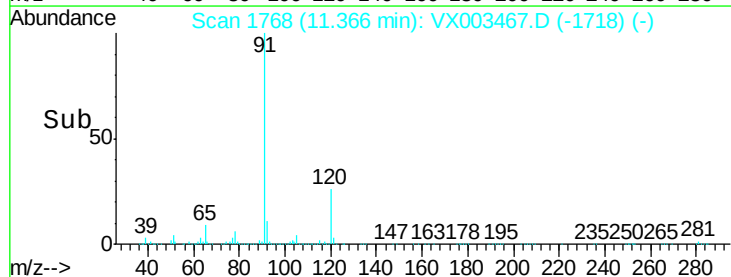
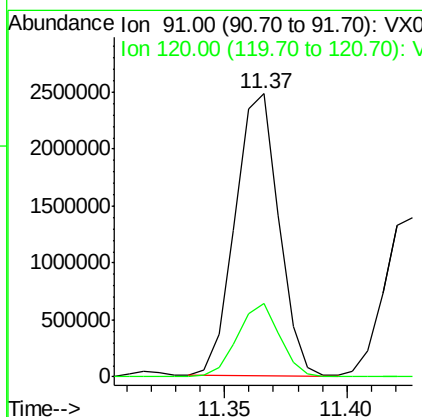
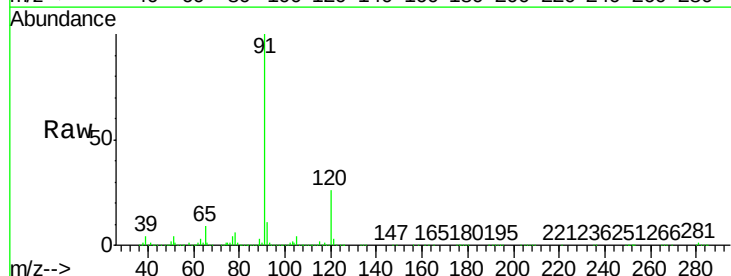
RT: 11.37 min Scan# 1768

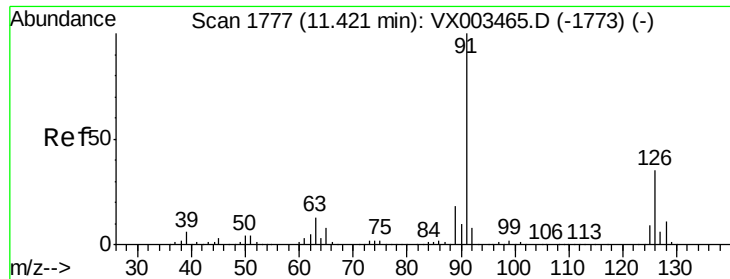
Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 145.59 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1814679

Ion Ratio Lower Upper

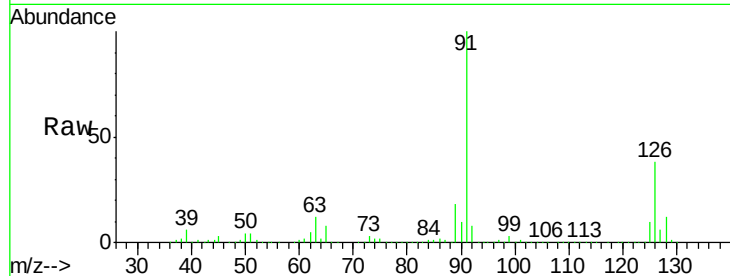
91 100

126 37.2 17.7 53.1

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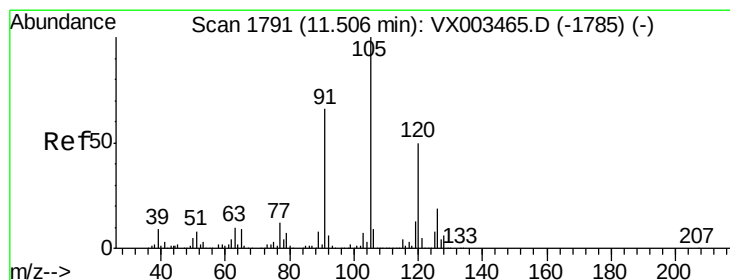
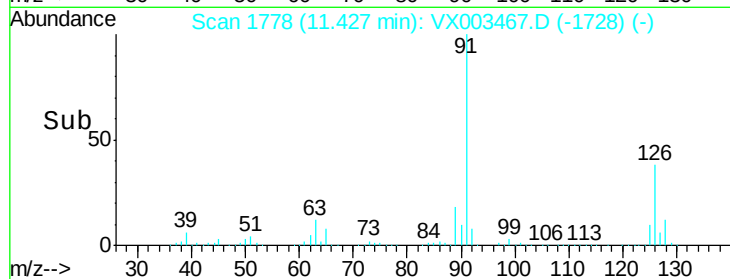
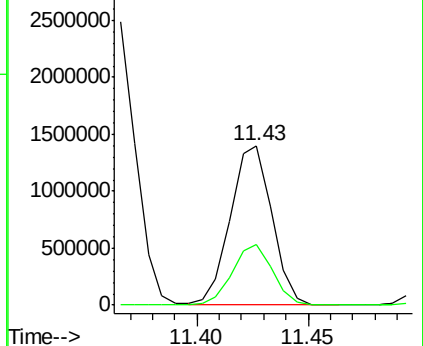
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 151.24 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003467.D

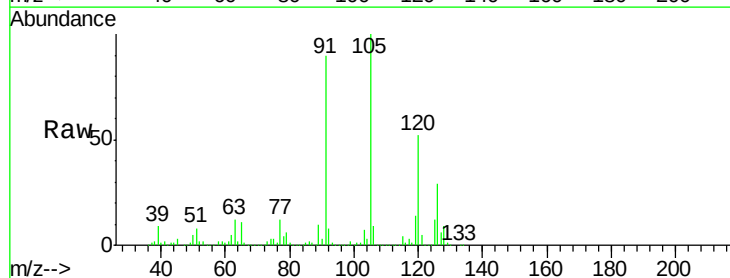
Acq: 19 Jul 2018 15:14

Tgt Ion:105 Resp: 2326622

Ion Ratio Lower Upper

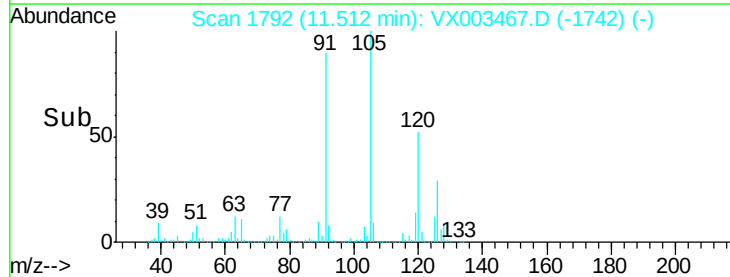
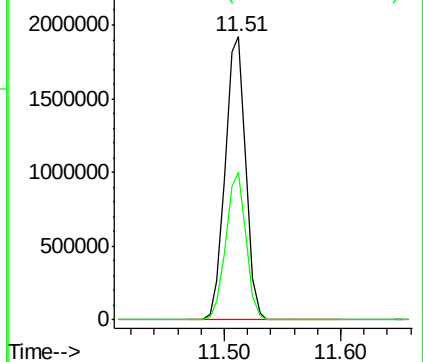
105 100

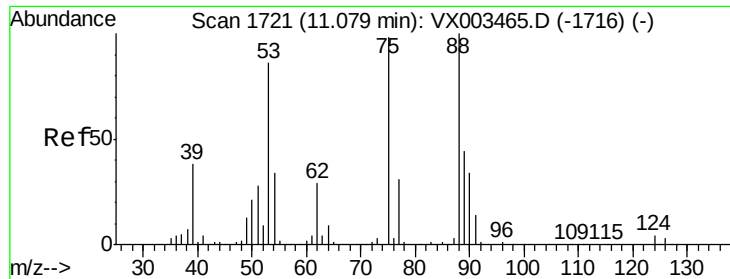
120 50.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





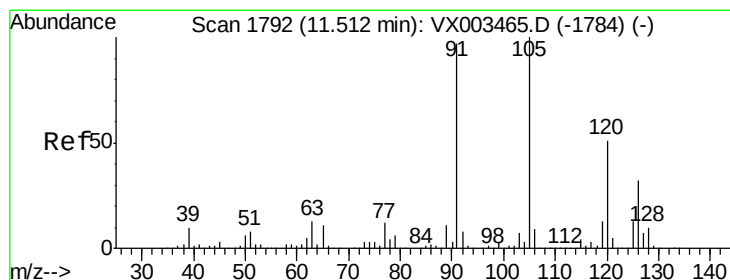
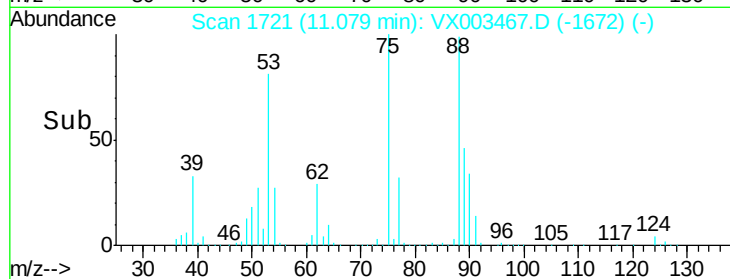
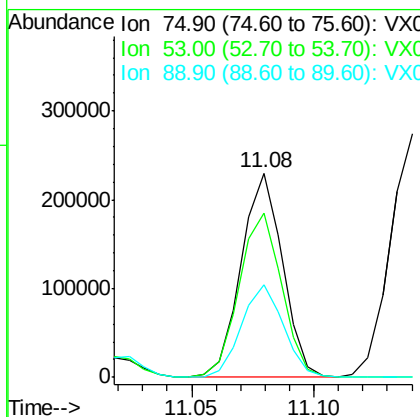
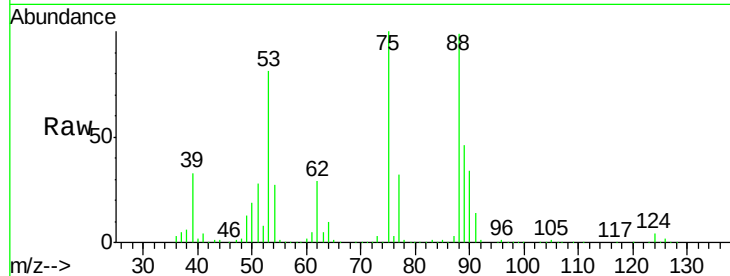
#81
trans-1,4-Dichloro-2-butene
Concen: 198.90 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	86.8	130.2#
89	46.4	38.2	57.2

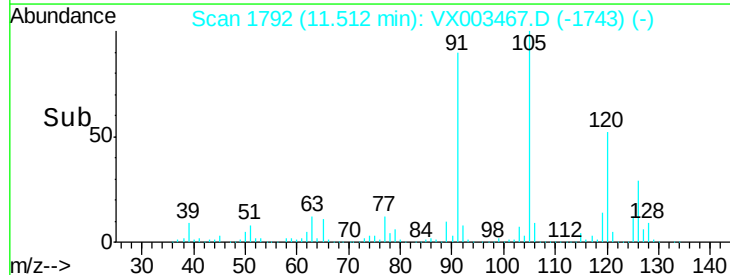
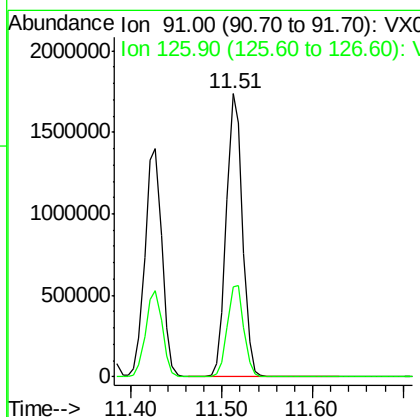
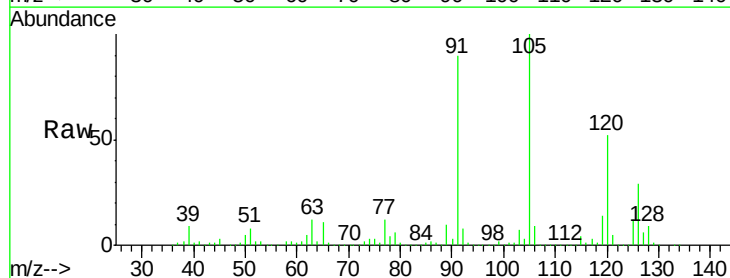
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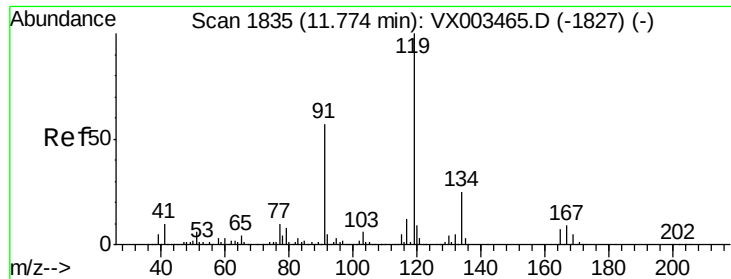
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#82
4-Chlorotoluene
Concen: 147.03 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	15.4	46.4





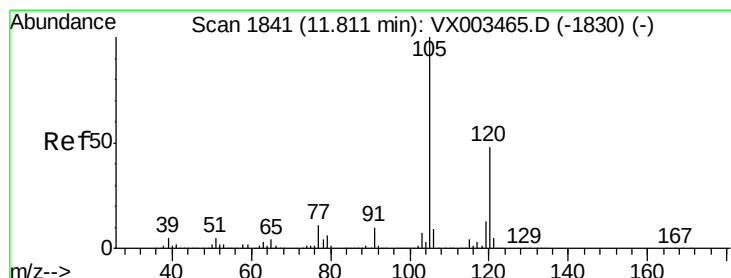
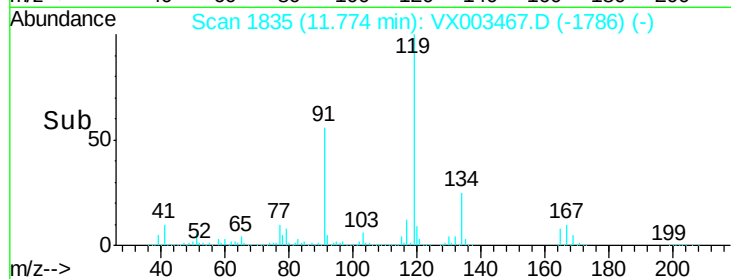
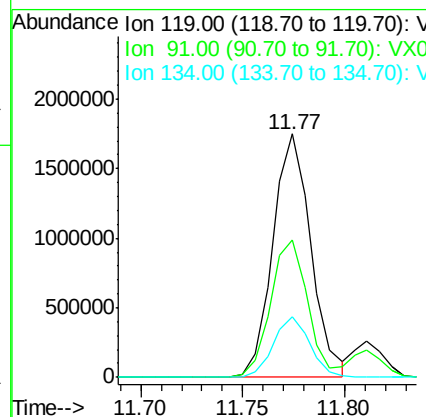
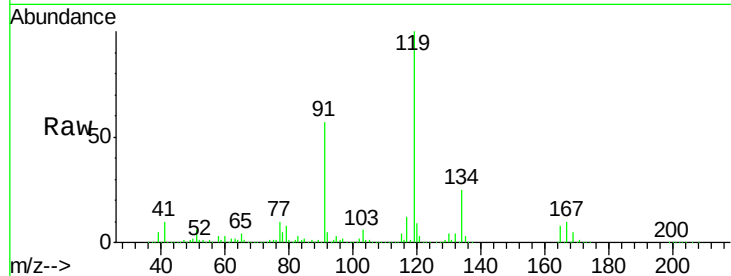
#83
 tert-Butylbenzene
 Concen: 154.03 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2282693
 Ion Ratio Lower Upper
 119 100
 91 55.4 30.3 90.9
 134 23.7 11.7 35.1

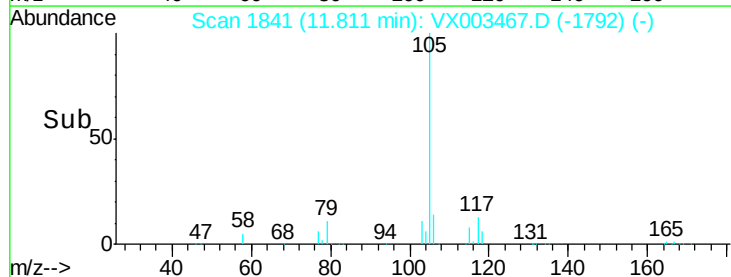
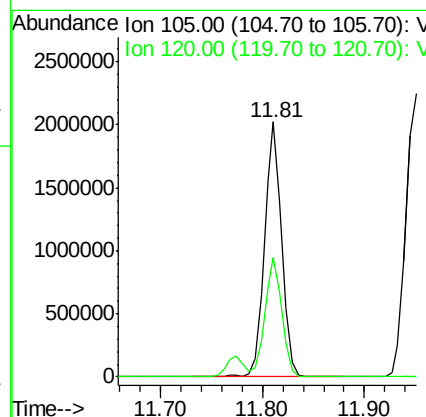
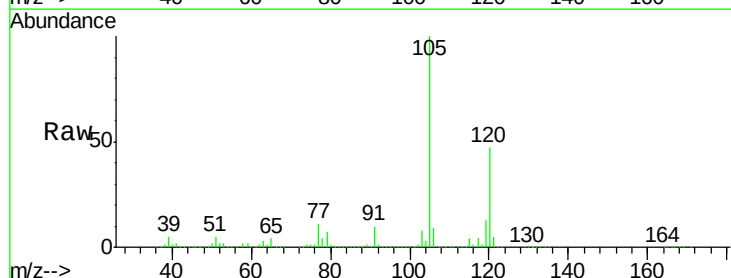
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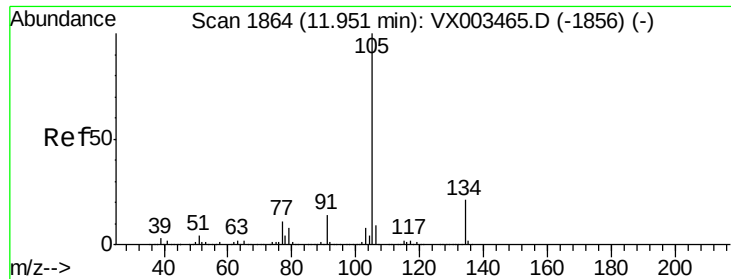
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#84
 1,2,4-Trimethylbenzene
 Concen: 151.35 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion:105 Resp: 2375729
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 148.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2728049

Ion Ratio Lower Upper

105 100

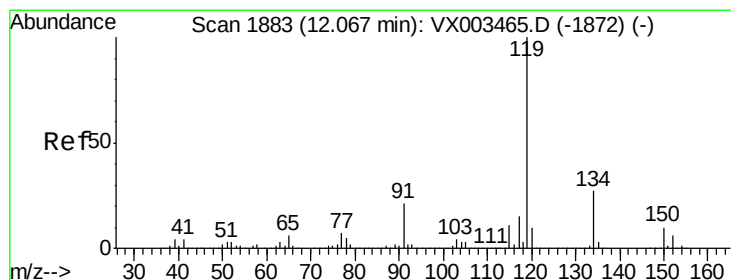
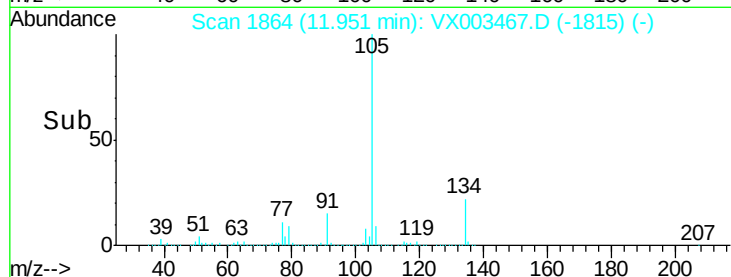
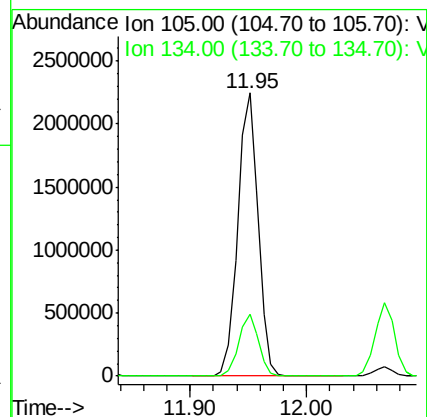
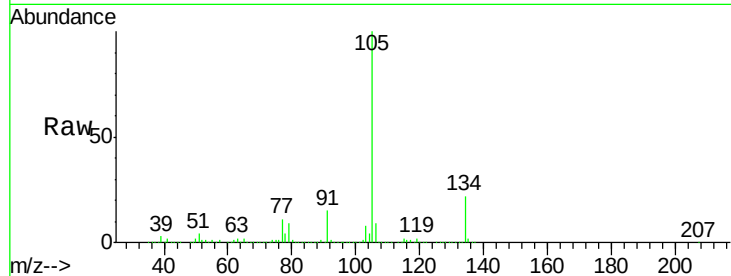
134 21.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 150.22 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

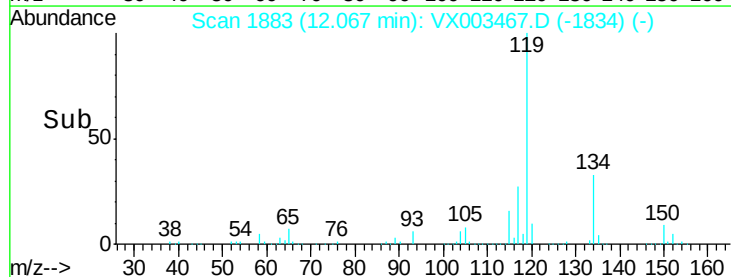
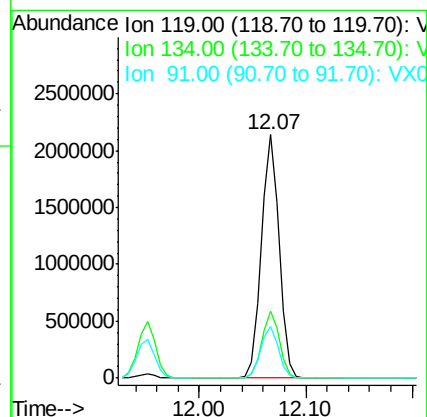
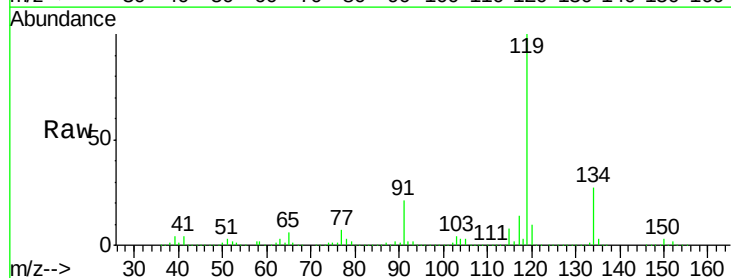
Tgt Ion:119 Resp: 2504548

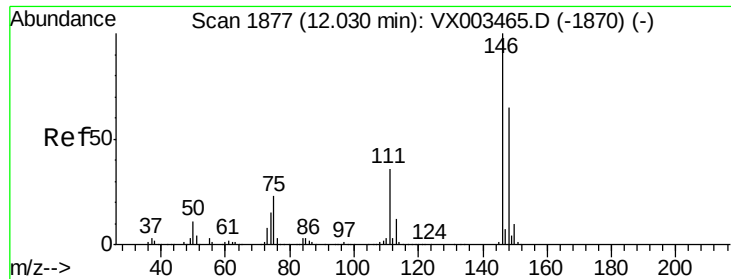
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.4 11.9 35.7





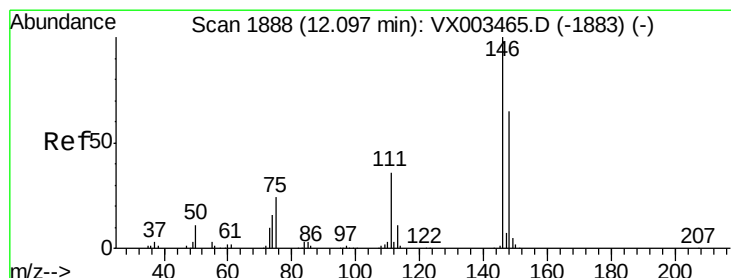
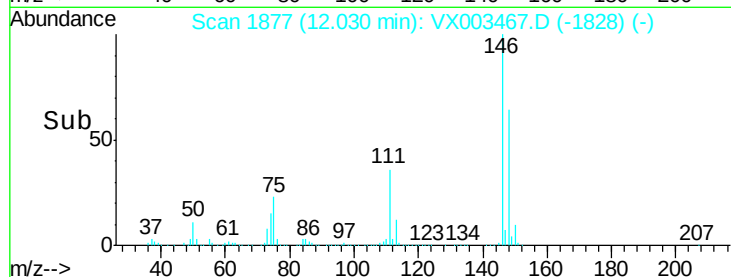
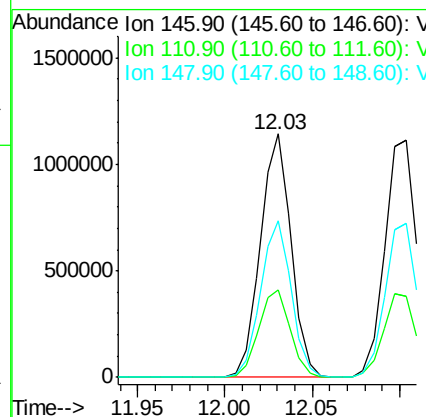
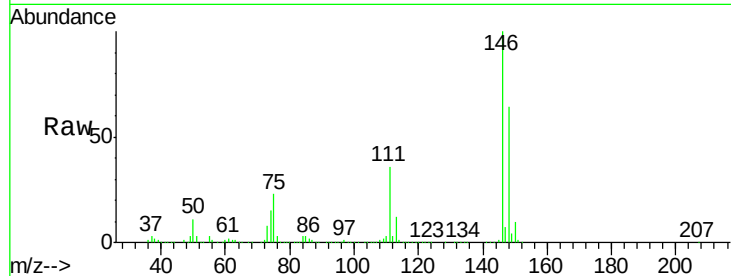
#87
 1,3-Dichlorobenzene
 Concen: 151.51 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1409042
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.7
 148 64.2 32.1 96.3

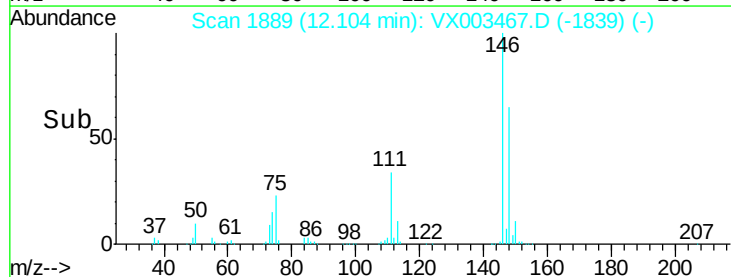
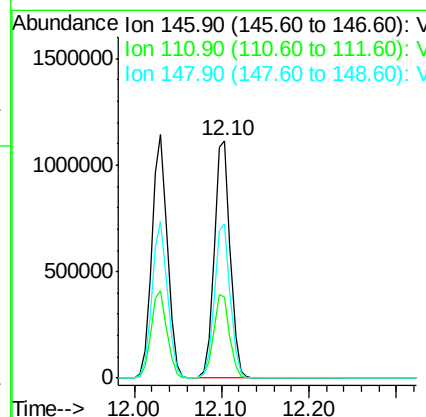
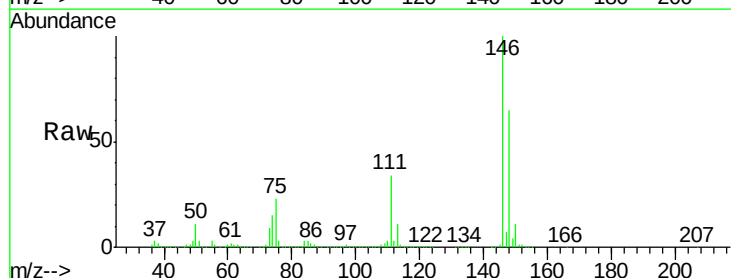
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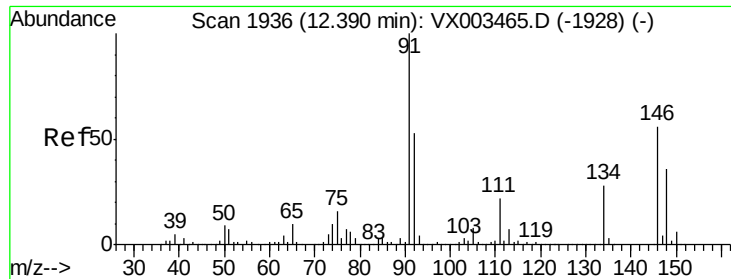
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#88
 1,4-Dichlorobenzene
 Concen: 149.75 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion:146 Resp: 1417037
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.7 56.1
 148 64.3 32.4 97.0





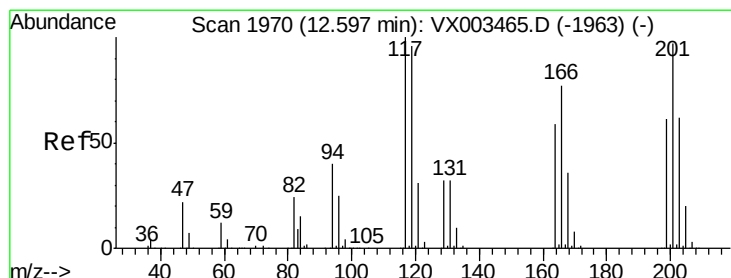
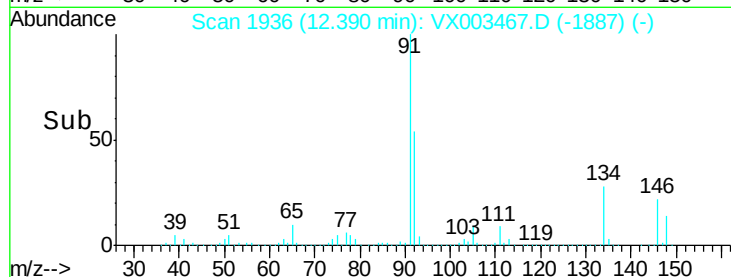
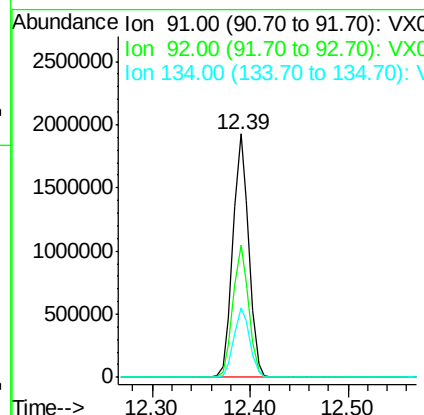
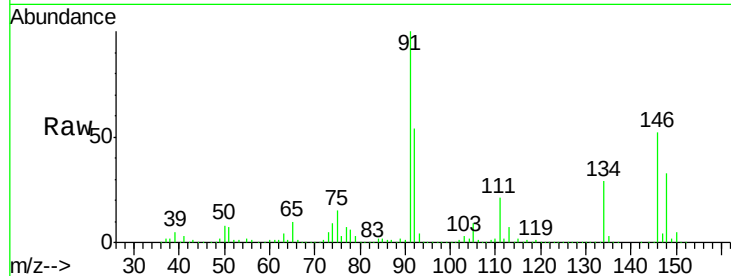
#89
n-Butylbenzene
Concen: 146.90 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2160653
Ion Ratio Lower Upper
91 100
92 53.8 26.0 78.0
134 28.8 13.5 40.5

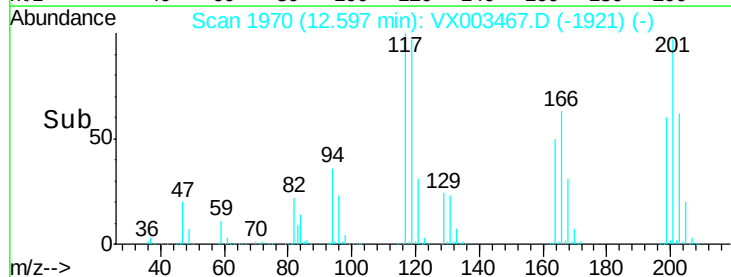
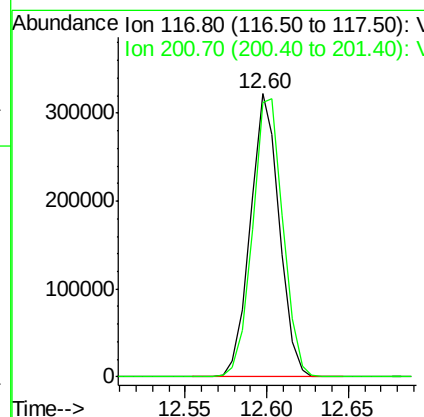
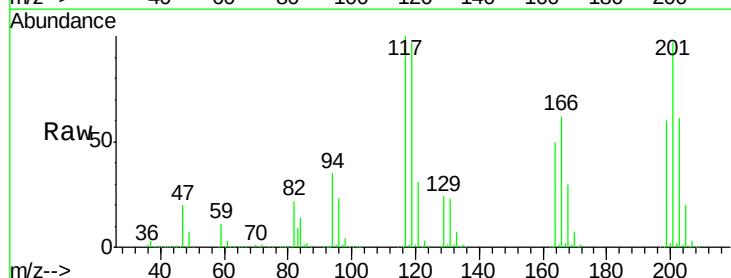
Manual Integrations
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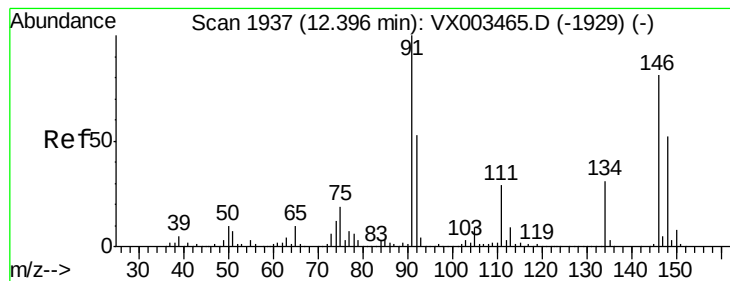
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#90
Hexachloroethane
Concen: 172.92 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion: 117 Resp: 397928
Ion Ratio Lower Upper
117 100
201 103.7 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 149.40 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1398388

Ion Ratio Lower Upper

146 100

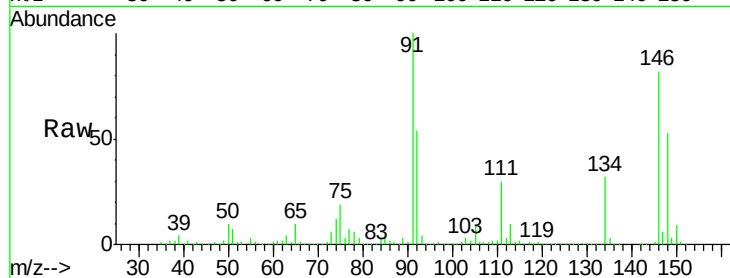
111 37.9 19.4 58.1

148 64.3 31.7 95.1

Manual Integrations
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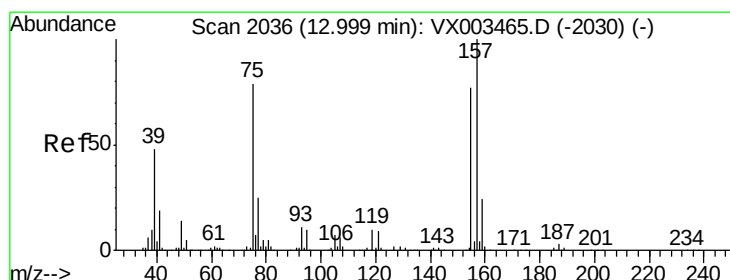
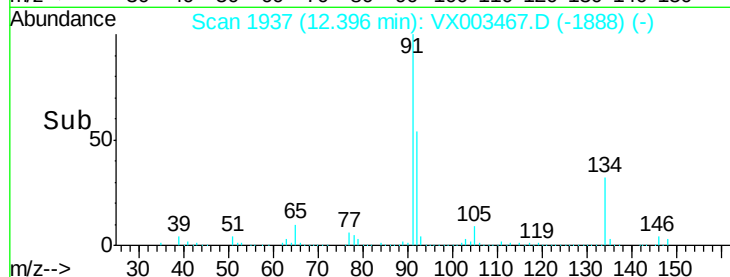
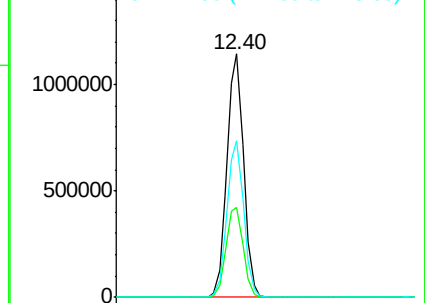
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 151.43 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003467.D

Acq: 19 Jul 2018 15:14

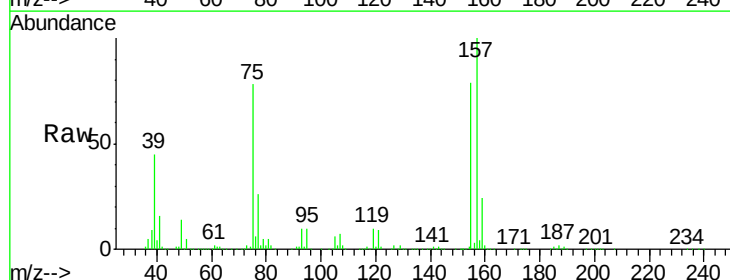
Tgt Ion: 75 Resp: 170504

Ion Ratio Lower Upper

75 100

155 109.3 45.8 137.4

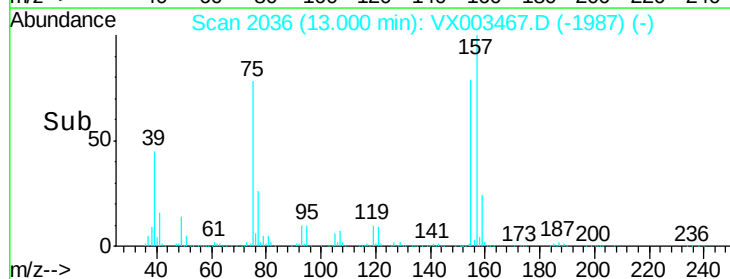
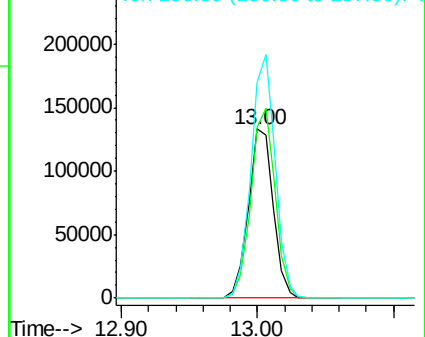
157 140.3 60.1 180.3

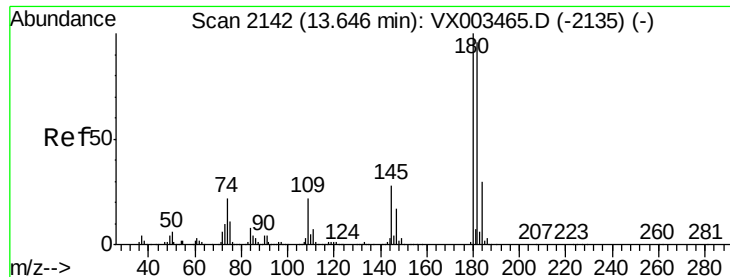


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





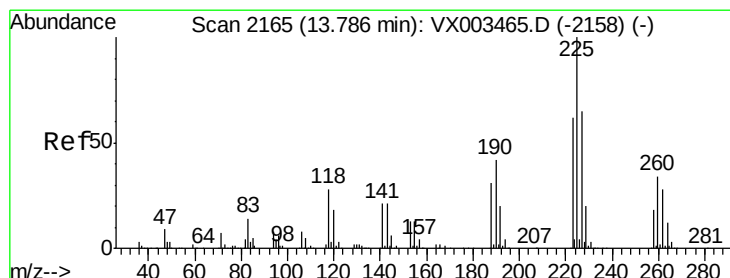
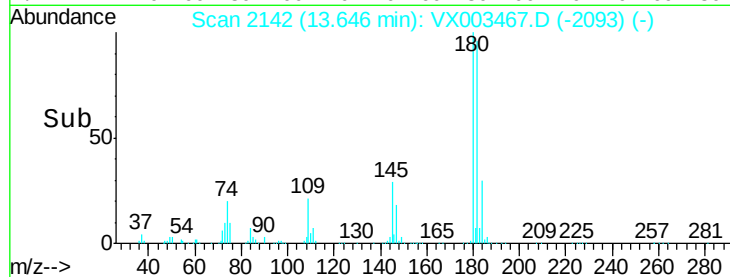
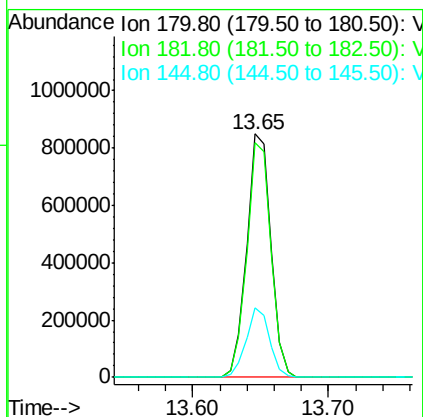
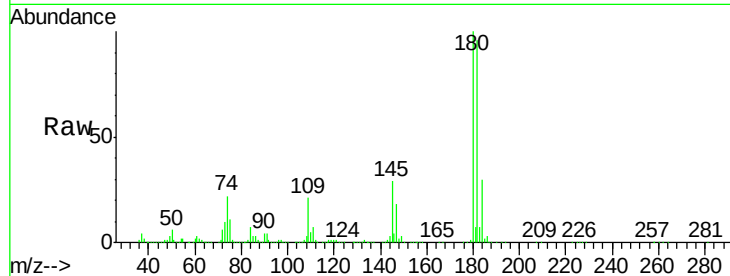
#93
 1,2,4-Trichlorobenzene
 Concen: 155.46 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.7	143.1
145	27.6	14.1	42.4

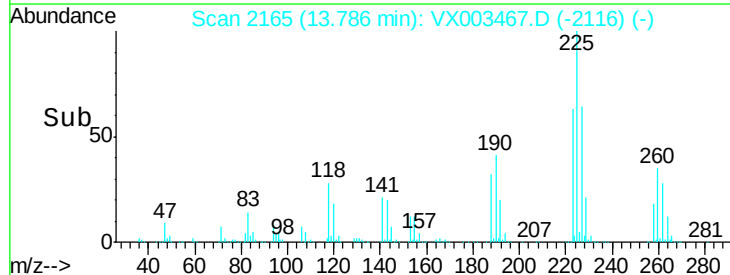
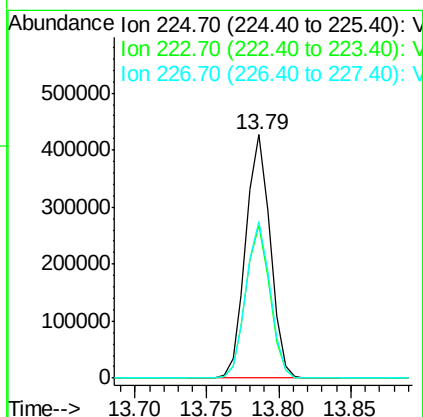
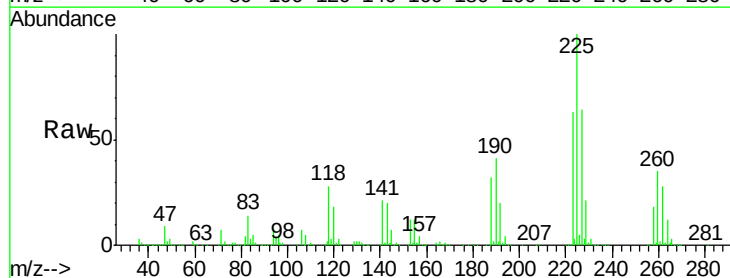
Manual Integrations
 APPROVED

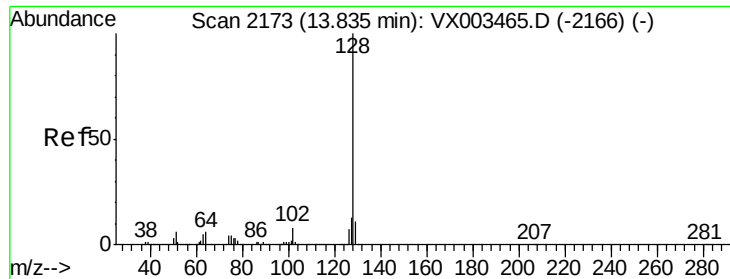
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 139.86 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003467.D
 Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	95.0
227	63.7	32.4	97.2





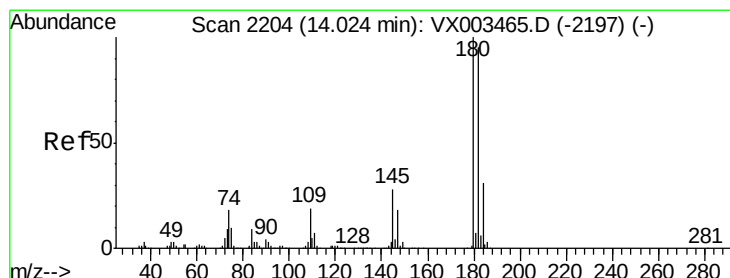
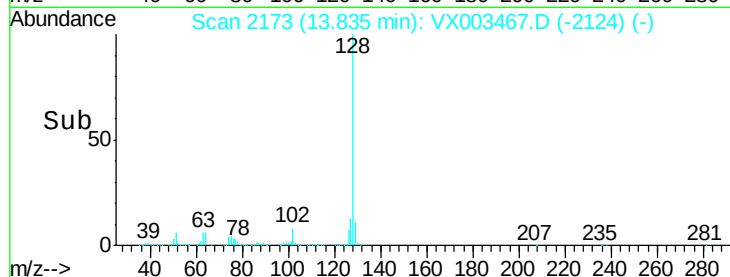
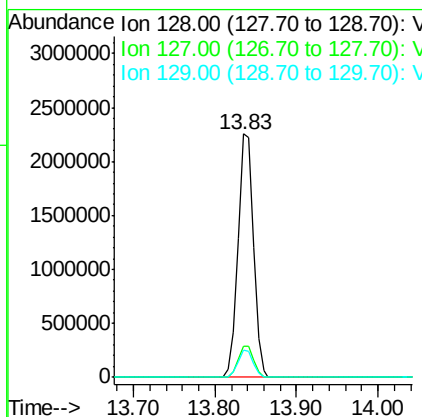
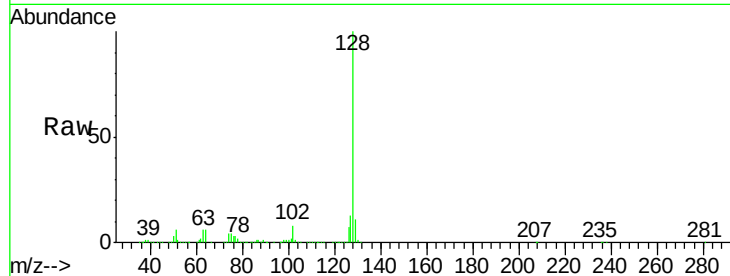
#95
Naphthalene
Concen: 158.66 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 153.09 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003467.D
Acq: 19 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.2	14.8	44.3

